## Wetland Delineation

For

## **Brown Cattle Company**

Yuba County, California

## DRAFT

May 11, 2006

Prepared for: River West Investments



## **Wetland Delineation**

## CONTENTS

## **Brown Cattle Company**

INTRODUCTION	1
Existing Site Conditions	
METHODS	
Waters of the United States	5
Routine Determinations	6
Vegetation	6
Soils	7
Hydrology	8
RESULTS	8
Wetlands	10
Vernal Pool	10
Seasonal Wetland	10
Season Wetland Swale	11
Other Waters	12
Ephemeral Drainage	12
Stock Pond	12
Dry Creek	12
INTERSTATE COMMERCE	13
CONCLUSION	13
REFERENCES	14
LIST OF FIGURES	
Figure 1 – Project Site and Vicinity Map	
Figure 2 – Natural Resources Conservation Service Soil Types	
Figure 3 – Wetland Delineation	
LIST OF TABLES	
Table 1 – Classification of Wetland-Associated Plant Species	
Table 2 – Waters of the U.S.	8

## LIST OF APPENDICES

Appendix A – Routine Wetland Determination Forms

Appendix B – Plant Species Observed at Data Point Locations

Appendix C – Wetland Delineation

Appendix D – Wetland Delineation Shape File (to be included with Corps submittal only)

Appendix E – Corps-Verified Wetland Map and Verification Letter (to be included in ECORP Consulting master copy only)

#### INTRODUCTION

On behalf of River West Investments, ECORP Consulting, Inc. (ECORP) has conducted a wetland delineation of the 613±-acre Brown Cattle Company property. The project area is northeast of the city of Wheatland, south of Beale Air Force Base, and north of Spenceville Road in Yuba County, California. (Figure 1 – *Project Site and Vicinity Map*). The project area corresponds to an unsectioned portion of Township 14 North, and Range 5 East (MDBM) of the "Camp Far West, California" and "Wheatland, California" 7.5-minute quadrangles (U.S. Department of the Interior, Geological Survey 1995 and 1973; respectively). The approximate center of the project area is located at 39° 03′ 00" North and 121° 22′ 30" West within the Lower Bear Watershed (#18020108, U.S. Department of Interior, Geological Survey 1978).

This report describes waters of the United States, including wetlands, identified within the project area that may be regulated by the U.S. Army Corps of Engineers (Corps) pursuant to Section 404 of the Clean Water Act. The information presented in this report provides data required by the U.S. Army Corps of Engineers Sacramento District's Minimum Standards for Acceptance of Preliminary Wetland Delineations (U.S. Army Corps of Engineers, 2001). The waters of the U.S. boundaries depicted in this report represent a calculated estimation of the jurisdictional area within the project area and are subject to modification following the Corps verification process.

#### APPLICANT:

AGENT:

Attn: Mr. Brian Vail

River West Investments

7700 College Town Drive, #215

Sacramento, CA 95826

Fax:

Phone: (916) 379-0955 (916) 379-0915

#### Attn: Ms. Paula Ellison Gill

ECORP Consulting, Inc.

2100 Embarcadero, Suite #202

Oakland, CA 94606

Phone: (510) 535-5944

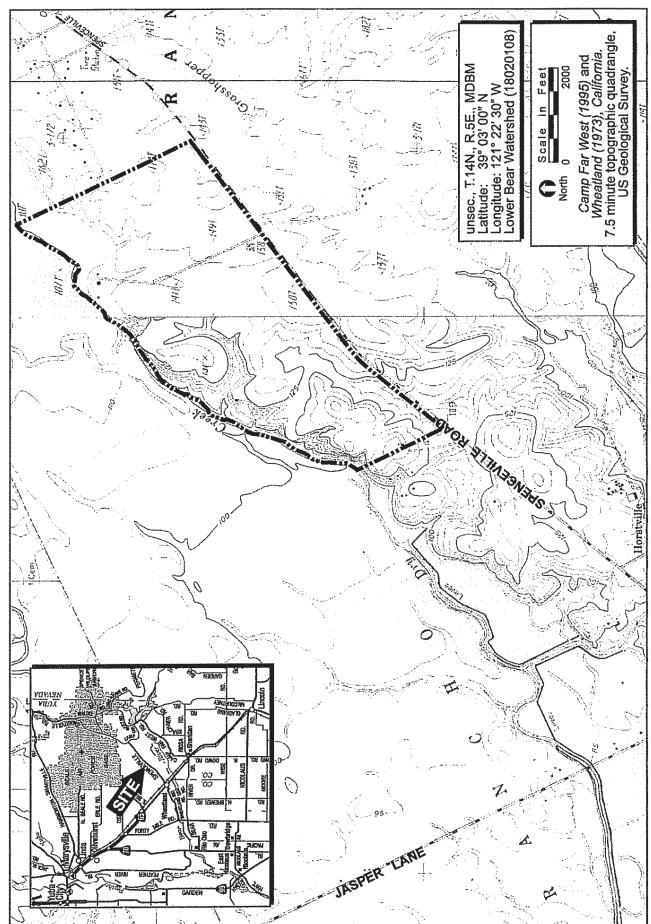
(510) 434-0155 Fax:

### **Existing Site Conditions**

The project area is composed of hilly terrain ranging in elevation from approximately 100 and 130 feet above mean sea level. An annual grassland vegetation community dominates the

**Project Site and Vicinity Map** 

FIGURE 1.



2006-040 Brown Cattle Company

project area. A riparian corridor associated with Dry Creek is present along the northern boundary of the property.

A house, barn, and horse corral are located in the northwest portion of the property. The project area has historically, and is currently being used for cattle grazing. In the northern portion of the project area, between the pasture and Dry Creek, are areas of un-grazed annual grasslands with frequent burrow sites. Most of the project area is composed of a variety of non-native naturalized grasses and forbs such as wild oats (*Avena fatua*), ryegrass (*Lolium multiflorum*), barley (*Hordeum murinum*), filaree (*Erodium botrys*), bur clover (*Medicago polymorpha*), and curly dock (*Rumex crispus*). Aquatic features on-site include two stock ponds, Dry Creek, ephemeral drainages, vernal pools, seasonal wetlands and seasonal wetland swales.

According to the *Soil Survey of Yuba County, California* (U.S. Department of Agriculture, Soil Conservation Service 1998), two soil units, or types, have been mapped within the project area (Figure 2 – *Natural Resources Conservation Service Soil Types*). These are (141) Conejo loam, 0-2% slopes and (208) Redding gravelly loam 3-8% slopes. Redding gravelly loam contains listed hydric inclusions (U.S. Department of Agriculture, Soil Conservation Service, 1998).

Surrounding land use consists primarily of agricultural land. Dry Creek runs along the northern border of the property. Lands north of Dry Creek are mainly used for walnut production. To the west, east, and south are grazed pastures. An oak woodland community is located southwest of the project boundary including Valley oak (*Quercus lobata*) and interior live oak (*Quercus wislizenii*). A small grove of eucalyptus trees (*Ecalyptus spp.*) is also found in this area.

#### **METHODS**

This wetland delineation was conducted in accordance with the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987). The waters of the U.S. boundaries were delineated through aerial photograph interpretation and standard field methodologies (i.e., paired data set analyses), and all wetland data were recorded on Routine Wetland Determination Forms (Appendix A). A color aerial photograph (1"=250' scale, Airphoto USA

FIGURE 2. Natural Resources Conservation Service Soil Types



April 2004) was used to assist with mapping and ground-truthing. *Munsell Soil Color Charts* (Kollmorgen Instruments Co. 1990) and the *Soil Survey of Yuba County, California* (U.S. Department of Agriculture, Soil Conservation Service 1998) were used to aid in identifying hydric soils in the field. *The Jepson Manual* (Hickman, *ed.* 1993) was used for plant nomenclature and identification.

Field wetland surveys were conducted during the months of May and June, 2005 by ECORP biologist Stacy Roper. Ms. Roper walked the entire 613±-acre project area to determine the location of potentially jurisdictional boundaries within the property. Thirteen paired data point locations were sampled to evaluate vegetation, hydrology, and soils to determine wetland or non-wetland status. At each paired location, one point was located within the estimated wetland area, and the other point was situated outside the limits of the estimated wetland area. The total area of wetlands within the property was recorded in the field using a post-processing capable global positioning satellite (GPS) unit with sub-meter accuracy (Trimble Pro XR-TSCE Data Collector).

### **Waters of the United States**

This report describes waters of the United States that may be regulated by the U.S. Army Corps of Engineers under Section 404 of the Clean Water Act. Wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (Environmental Laboratory, 1987). Wetlands can be permanent or intermittent, and isolated or adjacent to other waters.

Other waters are non-tidal, perennial, and intermittent watercourses and tributaries to such watercourses (33 CFR 328.3(a) Corps Regulatory Program Regulations, *Federal Register* 51(219), November 13, 1986). The limit of Corps jurisdiction for non-tidal watercourses (without adjacent wetlands) is defined in 33 CFR 329.11 (a)(1) as the "ordinary high water mark" (OHWM). The OHWM is defined as the "*line on the (watercourse banks) established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank; shelving; changes in the character of soil; destruction of terrestrial vegetation; the presence* 

of litter and debris; or other appropriate means that consider the characteristics of the surrounding areas." The bank-to-bank extent of the channel that contains the water-flow during a normal rainfall year generally serves as a good first approximation of the lateral limit of Corps jurisdiction. The upstream limits of other waters are defined as the point where the OHWM is no longer perceptible.

#### **Routine Determinations**

To be determined a wetland; the following three parameters should be present:

- A majority of dominant vegetation species are wetland associated species;
- Hydrologic conditions exist that result in periods of flooding, ponding, or saturation during the growing season; and
- Hydric soils are present.

### Vegetation

Hydrophytic vegetation is defined as the sum total of macrophytic plant life that occurs in areas where the frequency and duration of inundation or soil saturation produce permanent or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present (Environmental Laboratory 1987). The definition of wetlands includes the phrase "a prevalence of vegetation typically adapted for life in saturated soil conditions." Prevalent vegetation is characterized by the dominant plant species comprising the plant community (Environmental Laboratory 1987). The "50/20 rule" was used to determine the dominant plant species at each data point location. The rule states that for each stratum in the plant community, dominant species are the most abundant plant species (when ranked in descending order of abundance and cumulatively totaled) that immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species that individually comprise 20 percent or more of the total dominance measure for the stratum (HQUSACE 1992).

Dominant plant species observed at each data point were then classified according to their indicator status (probability of occurrence in wetlands) (Table 1), in accordance with the U.S. Fish and Wildlife Service's (USFWS) National List of Vascular Plant Species That Occur in Wetlands: California (Region 0) (Reed 1988). If the majority (greater than 50 percent) of the dominant vegetation on a site are classified as obligate (OBL), facultative wetland (FACW), or facultative (FAC) (excluding FAC-), then the project area is considered to by dominated by hydrophytic vegetation.

Table 1 - Classification of We	Table 1 - Classification of Wetland-Associated Plant Species <sup>1</sup>		
Plant Species Classification	Abbreviation <sup>2</sup>	Probability of Occurring in Wetland	
Obligate	OBL	>99%	
Facultative Wetland	FACW	66-99%	
Facultative	FAC	33-66%	
Facultative Upland	FACU	1-33%	
Upland	UPL	<1%	
No indicator status	NI	Insufficient information to determine status	
Plants That Are Not Listed	NL	Does not occur in wetlands in any region.	

<sup>(</sup>assumed upland species)

Source: Reed 1988

### Soils

A hydric soil is defined as a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (USDA-NRCS 2003). Indicators that a hydric soil is present include soil color (gleyed soils and soils with bright mottles and/or low matrix chroma), aquic or preaquic moisture regime, reducing soil conditions, sulfidic material (odor), soils listed on hydric soils list, iron and manganese concretions, organic soils (Histosols), histic epipedon, high organic content in surface layer in sandy soils, and organic streaking in sandy soils.

A soil pit was excavated to a depth of 16 inches or refusal at each data point. The soil was then examined for hydric soil indicators. The matrix color and mottle color (if present) of the soil was determined using the *Munsell Soil Color Charts* (Kollmorgen Instruments Co. 1990).

<sup>&</sup>lt;sup>2</sup> A '+' or '-' symbol can be added to the classification to indicate greater or lesser probability, respectively, of occurrence in a wetland.

### Hydrology

Wetlands, by definition, are seasonally inundated or saturated at or near (within 12 inches of) the soil surface. To be classified as a wetland, a site should have at least one primary indicator or two secondary indicators of wetland hydrology. Primary indicators of wetland hydrology may include, but are not limited to: water marks, drift lines, sediment deposition, drainage patterns, visual observation of saturated soils, and visual observation of inundation. In addition to the primary indicators, there are a variety of secondary wetland hydrology indicators. Secondary indicators include, but are not limited to: oxidized root channels in the upper 12 inches, water-stained leaves, and local soil survey data. When no primary indicators of wetland hydrology are observed at a data point, two or more secondary indicators are required to confirm wetland hydrology.

### **RESULTS**

A total of 41.070 acres of potential waters of the U.S has been mapped for this site (Table 2). The routine wetland determination forms are included in Appendix A, and a list of plant species observed at data points is included in Appendix B. A discussion of the wetlands and other waters is presented below, and wetland delineation maps are presented in Figure 3 and Appendix C.

Table 2 - Waters of the U.S.		
Wetland Type	<u>Acreage</u>	
Wetlands	<u>-</u>	
Vernal Pool	13.862	
Seasonal Wetland	2.450	
Seasonal Wetland Swale	11.035	
Other Waters		
Ephemeral Drainage	1.418	
Dry Creek	10.554	
Pond	1.751	
Total:	41.070	

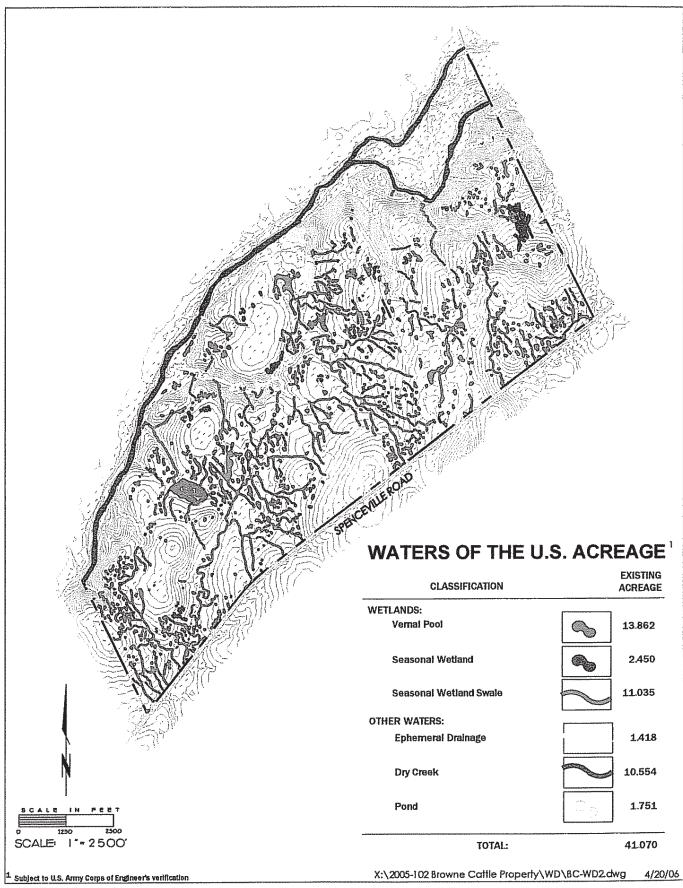


FIGURE 3. Wetland Delineation



#### Wetlands

#### Vernal Pool

Vernal pools are topographic basins that are typically underlain with an impermeable or semipermeable hardpan or duripan layer. Vernal pools are generally inundated throughout the wet season and are dry by late spring through the following wet season. Vernal pools are scattered throughout the project area. A total of 13.862 acres of vernal pool features were mapped. Plants identified within vernal pools included hydrophytic species such as Vasey's coyote-thistle, annual hairgrass, white-head navarretia, and ryegrass.

Primary indicators of wetland hydrology observed in vernal pools included drainage patters in wetlands. Other hydrologic indicators (i.e., soil saturation and inundation) were not observed due to the time of year that the delineation was conducted (May-June). Within ephemeral features, these indicators are generally only observable during the wet season and early in the growing season.

Hydric soil criteria were met by a combination of low chroma soils and / or the presence of a presumed aquic moisture regime. The soil matrix color within VP-252 and VP-520 was 7.5YR3/1. VP-568 and VP-95 met hydric soil criteria based on the presence of a presumed aquic moisture regime, indicated by a topographic depression which ponds water for greater than 5% of the growing season.

#### Seasonal Wetland

Seasonal wetlands are ephemerally wet areas where surface runoff and rainwater accumulate within low-lying areas. Inundation periods tend to be relatively short and seasonal wetlands are commonly dominated by non-native annual, and sometimes perennial, hydrophytic species. Seasonal wetlands are found throughout the Brown Cattle Company site. They are in general located in low-lying areas associated with seasonal wetland swales. A total of 2.450 acres of seasonal wetlands were mapped on the Brown Cattle Company site.

Plants identified within seasonal wetlands included hydrophytic species, such as Vasey's coyote-thistle (*Eryngium vaseyi*), mannagrass (*Glyceria* sp.), and annual rabbit-foot grass (*Polypogon monspeliensis*) ryegrass and common tarweed (*Hemizonia pungens*).

Wetland hydrology indicators observed within seasonal wetlands include drainage patterns in wetlands and sediment deposits (i.e., algal matting). Other hydrologic indicators (i.e., soil saturation and inundation) were not observed due to the time of year that the survey was conducted (May – June). Within ephemeral features, these indicators are generally only observable during the wet season and early in the growing season.

Two paired data points were collected in/near seasonal wetland features. Soil matrix color in SW-42 was of low chroma indicating hydric soil (7.5YR3/1) compared to the associated upland soil matrix color (7.5YR4/3). Soil data collected within SW-54 met hydric soil criteria based on the presence of a presumed aquic moisture regime, indicated by a topographic depression in which water ponds for greater than 5% of the growing season.

#### Seasonal Wetland Swale

Seasonal wetland swales are linear features that do not exhibit an ordinary high water mark. These features have been mapped throughout the Brown Cattle Company project site and are generally oriented from north to south. A total of 11.035 acres of seasonal wetland swales were mapped on the project site.

Plants identified within the network of seasonal wetland swales included hydrophytic species such as Vasey's coyote-thistle, annual hairgrass (*Deschampsia danthonioides*), white-head navarretia (*Navarretia leucocephala*), annual rabbit-foot grass, and toad rush (*Juncus bufonius*). Other fac species were also identified within the seasonal wetlands including ryegrass and common tarweed.

Primary indicators of wetland hydrology observed within seasonal wetland swales include drainage patterns in wetlands and watermarks. Other hydrologic indicators (i.e., soil saturation and inundation) were not observed due to the time of year the field survey was conducted.

Within ephemeral features, these indicators are generally only observable during wet season and early in the growing season.

The soil matrix colors within SWS-183, SWS-31, SWS-160, and SWS-197 were 7.5YR3/1 without redoxomorphic (redox) features (i.e., mottles) from a depth of 0 to 8 inches meeting hydric criteria based on low chroma soil matrix color. SWS-189 met hydric soil criteria based on the presences of a presumed aquic moisture regime, indicated by a topographic depression which ponds water for greater than 5% of the growing season.

#### **Other Waters**

### Ephemeral Drainage

Ephemeral drainages are linear features that exhibit an OHWM. These are seasonal features that typically convey runoff for short periods of time, immediately following rain events and do not receive supplemental water from groundwater sources. The ephemeral drainages on site tend to be largely un-vegetated due to the scouring effects of flowing water. Paired data points were sampled in ED-5. The drainage exhibited hydrophytic vegetation such as spikerush (*Eleocharis* sp.), soils of low chroma (10YR3/1), and a number of primary hydrologic indicators including inundation, watermarks, and drainage patterns in wetlands.

#### Stock Pond

Two stock ponds are located near the northern boundary of the project area. These two features total 1.751 acres and are connected to Dry Creek by ephemeral drainages.

### Dry Creek

Dry Creek runs along the northern boundary of the project site (10.554 acres). Riparian vegetation associated with Dry Creek consists of a willow (*Salix* sp.), Fremont's cottonwood (*Populus fremontii*), valley oak, and interior live oak. This feature was mapped at the OHWM.

### INTERSTATE COMMERCE

The seasonal wetlands and vernal pools on-site are tributary to the seasonal wetland swales. Seasonal wetland swales and stock ponds are tributary to ephemeral drainages, which in turn are tributary to Dry Creek. Dry Creek is tributary to the Bear River, which flows into the Feather River. The Feather River ultimately reaches the Sacramento River, which is considered navigable waters of the U.S. Thus, wetlands and other waters on-site should be considered connected with and/or adjacent to a Waters of the U.S., and would therefore be subject to interstate and/or foreign commerce.

### CONCLUSION

A total of 41.070 acres of potential waters of the U.S. have been mapped on-site. These acreages represent a calculated estimation of the jurisdictional area within the project area, and are subject to modification following the Corps verification process. A final verified wetland map along with a signed verification letter from the Corps, will accompany the final draft wetland delineation report filed. Fill within jurisdictional features would require permitting pursuant to Section 404 and 401 of the federal Clean Water Act.

### REFERENCES

- AirPhoto USA. April 2004. Aerial photograph of the project area.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. U. S. Army Engineer Waterways Experiment Station. Vicksburg, Mississippi.
- Headquarters, U.S. Army Corps of Engineers (HQUSACE). 1992. Clarification and Interpretation of the 1987 Manual. Memorandum from Major General Arthur E. Williams. Dated: 6 March 1992.
- Hickman, J. C. (ed.). 1993. *The Jepson Manual: Higher Plants of California*. University of California Press. Berkeley, California.
- Kollmorgen Instruments Company. 1990. Munsell Soil Color Charts. Kollmorgen Corporation. Baltimore, Maryland.
- Reed, P.B., Jr. 1988. National List of Plant Species that Occur in Wetlands: California (Region 0). (Biological Report 88[26.10].) U.S. Fish and Wildlife Service, Ft. Collins, Colorado.
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2003. National Soil Survey Handbook, title 430-VI. Available Online: http://soils.usda.gov/technical/handbook.
- U.S. Department of Agriculture, Soil Conservation Service. 1998. Soil Survey of Yuba County, California. U.S. Department of Agriculture, Soil Conservation Service. Davis, California.
- U.S. Department of Agriculture, Soil Conservation Service. 1992. Hydric Soils List for Yuba County. U.S. Department of Agriculture, Soil Conservation Service, Davis, California.
- U.S. Department of the Army, Corps of Engineers, Sacramento District. November 30, 2001. Minimum Standard for Acceptance of Preliminary Wetland Delineations.
- U.S. Department of the Interior, Geological Survey. 1973. "Camp Far West", California" 7.5-minute Quadrangle. Geological Survey. Denver, Colorado.
- U.S. Department of the Interior, Geological Survey. 1978. Hydrologic Unit Map, State of California. Geological Survey. Reston, Virginia.
- U.S. Department of the Interior, Geological Survey. 1995. "Wheatland", California" 7.5-minute Quadrangle. Geological Survey. Denver, Colorado.

## LIST OF APPENDICES

- Appendix A Routine Wetland Determination Forms
- Appendix B Plant Species Observed at Data Point Locations
- Appendix C Wetland Delineation
- Appendix D Wetland Delineation Shape File (to be included with Corps submittal only)
- Appendix E Corps-Verified Wetland Map and Verification Letter (to be included in the Final Draft document upon receipt)

## **APPENDIX A**

Routine Wetland Determination Forms

# ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company	Date: 6-29-05 Sample Point: 0/
Applicant/Owner: River - West	
County: Yuha State: Ca	Plant Community: Onnual Grassland
Quad(s): Wheatland	
Do normal environmental conditions exist site? Yes  No [	☐ If no, explain:
Atypical Situation? Yes 🚨 No 🛎 Explain:	
Is this a potential Problem Area? Yes 🗖 No 🛡 Explain: _	
EGETATION	HYDROPHYTIC VEGETATION? Yes □ N
Dominant Species Ind. Status Stratum Rel. % C	Cover Dominant Species Ind. Status Stratum Rel. % Cover
4	5)
2)	
3)	
	8)
Percentage of dominant species that are OB1, FACW, and/o	or FAC [excluding FAC-]:
Comments:	
LUNCEVOI	WETLAND HYDROLOGY? Yes □ N
Recorded Data: Yes 🗖 No 🛢 If yes,	
Recorded Data: Yes 🗖 No 🛢 If yes,	
Recorded Data: Yes □ No ■ If yes,	
Recorded Data: Yes \( \text{No } \end{aligned} \) No \( \text{If yes,} \)  Depth of surface water: \(	water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \(	water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( - \text{(in.)} \) Depth to free \( \text{Primary Indicators: } \) Inundated \( \text{Saturated in Upper 12} \)  Secondary Indicators (2 or more required):  \( \text{O} \) Oxidized Root Channels in Upper 12 in \( \text{U Water-stained} \)  Comments: \( \text{No} \) \( \text{IO} \) \( \text{IO} \) \( \text{IO} \)	water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( ———————————————————————————————————	water in pit: (in ) Depth to saturated soil: / (in ) in Water Marks Drift Lines Sediment Deposits Drainage Patterns in W d Leaves Local Soil Survey Data FAC-Neutral Test Other  #*Coto(S)  HYDRIC SOILS? Yes N
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( ———————————————————————————————————	water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( ———————————————————————————————————	water in pit: (in ) Depth to saturated soil: / 6 (in )  in Water Marks Drift Lines Sediment Deposits Drainage Patterns in W  d Leaves Local Soil Survey Data FAC-Neutral Test Other  ### Accordance Soil Survey Data FAC-Neutral Test Other  ##############################
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water: \( ———————————————————————————————————	water in pit: (in ) Depth to saturated soil: / 6 (in )  in Water Marks Drift Lines Sediment Deposits Drainage Patterns in W  d Leaves Local Soil Survey Data FAC-Neutral Test Other  #YDRIC SOILS? Yes No    Common 3-8'/. 5/ope Drainage Class:   We     drain
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) Lepth of surface water: \( \text{Constant of the entropy and cators: } \) Inundated \( \text{Depth Saturated in Upper 12} \)  Secondary Indicators (2 or more required): \( \text{Depth of More required} \): \( \text{Depth of More required} \): \( \text{Oording of More required} \): \( \text{Comments: } \) \( \text{Oording of More required} \): \( \text{Depth of More required} \): \( \text{Depth of More required} \): \( \text{Depth of More required} \): \( \text{Oording of More required} \): \( \text{Oording of More required} \): \( \text{Oording of More required} \): \( \text{Depth of More required} \): \( \text{Oording of More required} \): \( Oording of More requ	water in pit: (in ) Depth to saturated soil: / 6 (in )  in Water Marks Drift Lines Sediment Deposits Drainage Patterns in W  d Leaves Local Soil Survey Data FAC-Neutral Test Other  dicators HYDRIC SOILS? Yes N    Moisture Regime Reducing Conditions Gleyed/Low Chroma Colors Confirm Map Type: Yes No
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water: \( - \) (in.) Depth to free \( \text{Primary Indicators: } \) Inundated \( \text{Saturated in Upper 12} \)  Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained} \)  Comments: \( \text{No } \) \( \tex	water in pit: (in ) Depth to saturated soil: / 6 (in )  in. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  d Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  #YDRIC SOILS? Yes □ N  #YDRIC SOILS? Yes □ No  ### Common 3-8/. 5/ope Drainage Class:   We     drain  ### Confirm Map Type: Yes □ No  Moisture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □ Con  Organic Streaking in Sandy Soils □ Listed on Hydric Soils List □ Other
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water: \(	water in pit:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) Lepth of surface water: \( \text{Constant of the entropy and cators: } \) Inundated \( \text{Depth Saturated in Upper 12} \)  Secondary Indicators (2 or more required): \( \text{Depth of more required} \): \( Depth of mo	water in pit:
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water: \(	water in pit:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) Lepth of surface water: \( Condense of the condense of	water in pit:
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated in Upper 12} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained} \)  Comments:  \( \text{No} \) \( \tex	water in pit:
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  \[ \text{Primary Indicators:} \( \text{D} \) Inundated \( \text{D} \) Saturated in Upper 12  \[ Secondary Indicators (2 or more required): \[ \text{D} \) Oxidized Root Channels in Upper 12 in \( \text{D} \) Water-stained Comments: \[ \text{No}  Possible of Possi	water in pit:
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water: \( \text{— (in.)} \) Depth to free \( \text{Primary Indicators: } \) Inundated \( \text{D} \) Saturated in Upper 12  Secondary Indicators (2 or more required):  \( \text{O} \) Oxidized Root Channels in Upper 12 in \( \text{D} \) Water-stained Comments: \( \text{No} \) \( \text{No}	water in pit:
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  \[ \text{Primary Indicators:} \( \text{D} \) Inundated \( \text{D} \) Saturated in Upper 12  \[ Secondary Indicators (2 or more required): \[ \text{D} \) Oxidized Root Channels in Upper 12 in \( \text{D} \) Water-stained Comments: \[ \text{No}  Possible of Possi	water in pit:

sample point 1

## HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed  Tae Cap  Hem punt Lot mill Leo far  TOTAL SUM (2) =	15	14.3	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
Species (Descending Order)  Tac. Cap.	Relative Cover	Cumulative Cover	Indicator Status D	ominants

## ECORP Consulting, Inc.

Applicant/Owner: River - West	Date: 6/29/05 Sample Point: 02  Field Investigator(s): 5. Roper
	Plant Community: <u>Annual</u> Grassfund
	, , , , , , , , , , , , , , , , , , , ,
	Section/Township/Range: UNSEC, TIYN, RSE
	o, explain:
Is this a potential Problem Area? Yes 🗆 No 🗣 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes ■ N
Dominant Species Ind. Status Stratum Rel. % Cover	Dominant Species Ind. Status Stratum Rel. % Cover
1) Lot mul Fac H 33.3	5)
	6)
	7)
•	8)
Percentage of dominant species that are OBL, FACW, and/or FAC	
Comments:	
YDROLOGY	WETLAND HYDROLOGY? Yes 🕷 N
Recorded Data: Ves D No B If yes	
Recorded Data: Yes 🗖 No 📮 If yes,	
Depth of surface water: (in.) Depth to free water	
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required):	in pit:(in ) Depth to saturated soil:(in ) Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in W
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave	in pit: (in ) Depth to saturated soil: (in ) Water Marks    Drift Lines    Sediment Deposits    Drainage Patterns in West    Local Soil Survey Data    FAC-Neutral Test    Other
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required):	in pit:(in ) Depth to saturated soil:(in ) Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in W es    Local Soil Survey Data   FAC-Neutral Test   Other
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave	in pit: (in ) Depth to saturated soil: (in ) Water Marks    Drift Lines    Sediment Deposits    Drainage Patterns in West    Local Soil Survey Data    FAC-Neutral Test    Other
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave  Comments: indicator ch.Secure  DILS	in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water   Local Soil Survey Data   FAC-Neutral Test   Other  HYDRIC SOILS? Yes   N
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave  Comments: indicator observed  DILS  Series/Phase: Redding gravelly load	in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  es □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □ N  2 3 8 1. Slopes □ Drainage Class: well-drain
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave  Comments: indicator observed  DILS  Series/Phase: Redding gravelly load  Taxonomy [Subgroup]: the inic Abcutic_	in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □ No □  Pari Xera/fs Confirm Map Type: Yes □ No □
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave  Comments:/ indicator observed  DILS  Series/Phase: Redding gravelly lose  Taxonomy [Subgroup]: The mic Abcatic  □ Histosol □ Histic Epipedon □ Sufidic Odor □ Aquic Moistu	in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  es □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □ N  2 3 8 1. Slopes □ Drainage Class: well-drain
Depth of surface water: (in.) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in. □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained Leave  Comments:/ indicator observed  DILS  Series/Phase: Redding gravelly lose  Taxonomy [Subgroup]: The mic Abcatic  □ Histosol □ Histic Epipedon □ Sufidic Odor □ Aquic Moistu	in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other   HYDRIC SOILS? Yes ■ No. □ 3.8 1. 5/205 □ Drainage Class: well-drained Confirm Map Type: Yes □ No. □ Ire Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □ Confirm Regime Colors □ Confirm Regime Colors □ Confirm Regime Colors □ Confirm Regime
Depth of surface water:	in pit: (in ) Depth to saturated soil:
Depth of surface water:	in pit:
Depth of surface water:	in pit:
Depth of surface water:	in pit:
Depth of surface water:	in pit:
Depth of surface water:	in pit:
Depth of surface water:	in pit:
Depth of surface water:	in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water □ Local Soil Survey Data □ FAC-Neutral Test □ Other HYDRIC SOILS? Yes □ No □ Drainage Class: Drainage Class: Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: On Hydric Soils List □ Other On Hydric Soils List: Yes □ No □ Drainage Class: On Hydric Soils List: Yes □ No □ Drainage Class: Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class: Property Original Confirm Map Type: Yes □ No □ Drainage Class:
Depth of surface water:	in pit:

# Sample point 2 HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed  Hem pul  Ery vas  hol mul  fla spe  Tri hir	Actual Cover 25 25 35 10	Relative Cover  23. 8  23. 8  33. 3  9. 5  9. 5	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
Total Sum	105			

## ECORP Consulting, Inc.

Project/Site: Brown Cattle Company Applicant/Owner: River - West	Field Investigator(s): 5. Roper
County: Yuha State: Ca	· · · · · · · · · · · · · · · · · · ·
~	,
Quad(s): Wheatland	
	If no, explain:
Is this a potential Problem Area? Yes U No Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes □ 1
Dominant Species Ind. Status Stratum Rel. % Co	over Dominant Species Ind. Status Stratum Rel. % Cover
1) Tae cap - H 60	O
2)	
3)	
4)	
Percentage of dominant species that are OBL, FACW, and/or	FAC [excluding FAC-]:
Comments:	
YDROLOGY	WETLAND HYDROLOGY? Yes 🗖 1
Recorded Data: Yes 🗖 No 🖪 If yes,	
Recorded Data: Yes No lif yes,	
Recorded Data: Yes No lif yes,	vater in pit: (in.) Depth to saturated soil: (in.)
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{Inundated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Inundated } \text{Water-stained } \)	vater in pit: (in ) Depth to saturated soil: (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No } \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{Inundated } \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{In } \text{Water-stained } \)	vater in pit: (in ) Depth to saturated soil: (in )  n. U Water Marks U Drift Lines U Sediment Deposits U Drainage Patterns in V
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to free water in Upper 12 in Secondary Indicators: \( \text{In undated } \text{Upper 12 in } \text{Upper 12 in } \text{Upper 12 in } \text{Upper 12 in } \( \text{Upper 12 in } \text{Upper 12 in } \text{Upper 12 in } \( \text{Upper 12 in } \text{Upper 12 in } \text{Upper 12 in } \( \text{Upper 12 in } \text{Upper 12 in } \)	vater in pit: (in ) Depth to saturated soil: (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes No If yes,  Depth of surface water:	vater in pit: (in ) Depth to saturated soil: (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  Vafor 5
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to free w  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{Uwater-stained} \)  Comments: \( \text{No} \)  OILS  Series/Phase: \( Redding \) \( No N	vater in pit: (in ) Depth to saturated soil: / 6 (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  **Total Soil Survey Data □ FAC-Neutral Test □ Other  **HYDRIC SOILS? Yes □ 1  **Locater 3-8/. 5/opes □ Drainage Class: Well-date
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit: (in.) Depth to saturated soil: (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  Volume 3-8/. 5/0005 Drainage Class: Well-dia  Durixeralf S Confirm Map Type: Yes □ No.
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit: (in ) Depth to saturated soil: / 6 (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  **Total Soil Survey Data □ FAC-Neutral Test □ Other  **HYDRIC SOILS? Yes □ 1  **Locar
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit: (in ) Depth to saturated soil: / (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  **Total Soil Survey Data □ FAC-Neutral Test □ Other  **HYDRIC SOILS? Yes □ II  **Devite Alf S
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit: (in ) Depth to saturated soil: / 6 (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in V  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  **Total Soil Survey Data □ FAC-Neutral Test □ Other  **HYDRIC SOILS? Yes □ 1  **Local Soil Survey Data □ FAC-Neutral Test □ Other  **HYDRIC SOILS? Yes □ 1  **Local Soil Soils □ Confirm Map Type: Yes □ Notation of Soils Soils □ Confirm Map Type: Yes □ Notation of Soils List □ Other  **On Hydric Soils List: Yes □ 1
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in ) Depth to free we remark Indicators: \( \text{Discondary Indicators: } \) Inundated \( \text{Saturated in Upper 12 in } \) Secondary Indicators (2 or more required): \( \text{Discondary Indicators (2 or more required): } \) Oxidized Root Channels in Upper 12 in \( \text{Disconder Water-stained in Comments: } \( \text{No. } \) (a  \text{No. } \) (b) Addicators (2 or more required): \( \text{Disconder Value of the No. } \) (b) Series/Phase: \( \text{No. } \) (a  \text{No. } \) (b) Addicators (5 \text{Disconder Value of the No. } \) (c) (a) Histocological Disconder (b) Suffidic Odor \( \text{Disconder Addicators (5 \text{Disconder Value of the No. } \) (c) (a) High Organic Content in Surface Layer in Sandy Soils \( \text{Disconder Value of the No. } \) (c) (a) Horizon \( \text{Matrix Color } \)	vater in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Comments:  No \( \text{No } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Comments:  No \( \text{No } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Comments:  No \( \text{No } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained } \)  Oxidized Root Channels in Upper 1	vater in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	vater in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	water in pit:

59 3
HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed  Tal. Cap  Hem pull  Bro hor  Ari min	10		COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ)  Species (Descending Order)  Tal Cap	Relative Cover	100%  Cumulative Cover  60	Indicator Status	<u>Dominants</u>

# ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company	
Applicant/Owner: River - West	
County: Yuha State: Ca	
Quad(s): When tland	Section/Township/Range: UNSEC, T/4N, RSE
Do normal environmental conditions exist site? Yes  No	If no, explain:
Atypical Situation? Yes No Explain:	
Is this a potential Problem Area? Yes 🗆 No 🗣 Explain:2	reasonal inundation
EGETATION	HYDROPHYTIC VEGETATION? Yes 🔳
Dominant Species Ind. Status Stratum Rel. % Cov.	ver <u>Dominant Species</u> <u>Ind. Status</u> <u>Stratum</u> <u>Rel. % Cover</u>
1) Nav leu ab/ H 31.8	3 5)
2) Ery vas Facw H 22.	
3)	7)
4)	
Percentage of dominant species that are OBL, FACW, and/or F	
Comments:	
YDROLOGY	WETLAND HYDROLOGY? Yes
	L
Recorded Data: Yes 🗖 No 🛍 If yes,	
Depth of surface water: (in.) Depth to free wa	ater in pit: (in ) Depth to saturated soil: 8 (in )
Depth of surface water: (in.) Depth to free wa	
Depth of surface water: (in.) Depth to free water: (in.)	ater in pit: (in ) Depth to saturated soil: 8 (in )
Depth of surface water: (in.) Depth to free water: (in.)	ater in pit: (in ) Depth to saturated soil: 8 (in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in V  eaves D Local Soil Survey Data D FAC-Neutral Test D Other
Depth of surface water: (in.) Depth to free water	ater in pit: (in ) Depth to saturated soil: 8 (in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in V  eaves D Local Soil Survey Data D FAC-Neutral Test D Other
Depth of surface water:	ater in pit: (in ) Depth to saturated soil: 8 (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in values   Local Soil Survey Data   FAC-Neutral Test   Other Served   HYDRIC SOILS? Yes
Depth of surface water:	ater in pit:
Depth of surface water:	eater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	eater in pit:
Primary Indicators: Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Locomments:  Omments:  Om	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit:

# HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed  Lol mul  Ery Vas  Nav Leu  Flem punl  Gly spe	25 35 20	22. 7 31. 8 18. 2	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
		100%  Cumulative Cover  3/. 8  5.4.5	Indicator Status Do	<u>Ominants</u>

# ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

	n Cattle Co		
Applicant/Owner: R			
County: Yuha			
Quad(s): Wheat	and		Section/Township/Range: UNSEC, TIYN, RSE
			no, explain:
Atypical Situation? Yes	🗖 No 🖶 Explain:		
Is this a potential Problem	m Area? Yes 🗖 No 🛡	Explain:	
EGETATION			HYDROPHYTIC VEGETATION? Yes □ No
Dominant Species	Ind. Status Stratu	m Rel. % Cover	
1) Toe cap			
2) Bro hoc			· · · · · · · · · · · · · · · · · · ·
3) Lol mul		, -	
	***************************************		
Percentage of dominant s	species that are OBL, F.	ACW, and/or FAG	C [excluding FAC-]: $\frac{\sqrt{3}}{}$ = $\frac{33}{}$ %
		·····	
YDROLOGY ————————————————————————————————————			WETLAND HYDROLOGY? Yes D No
Transitional Date. Transmit			
Depth of surface water:	(in.) D	epth to free water	r in pit: (in ) Depth to saturated soil: (in )
Depth of surface water:  Primary Indicators:   I	inundated Saturated	epth to free water	r in pit: (in ) Depth to saturated soil: (in )
Depth of surface water:  Primary Indicators: ☐ I  Secondary Indicators (2	(in.) D nundated D Saturated or more required):	epth to free water in Upper 12 in. 🗖	r in pit:(in.) Depth to saturated soil:(in.)  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in W
Depth of surface water:  Primary Indicators:  Secondary Indicators (2)  Oxidized Root Channel	(in.) D nundated Saturated or more required): els in Upper 12 in V	epth to free water in Upper 12 in.   Vater-stained Lear	r in pit: (in.) Depth to saturated soil: (in.)  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in W  ves    Local Soil Survey Data   FAC-Neutral Test   Other
Depth of surface water:  Primary Indicators:   Secondary Indicators (2)  Oxidized Root Channel Comments:	(in.) D nundated Saturated or more required): els in Upper 12 in V	epth to free water in Upper 12 in.   Vater-stained Lear	r in pit: (in.) Depth to saturated soil: (in.)  Water Marks    Drift Lines    Sediment Deposits    Drainage Patterns in W  ves
Depth of surface water:  Primary Indicators:  Secondary Indicators (2  Oxidized Root Channel Comments:	(in.) D nundated Saturated or more required): els in Upper 12 in. Sel	repth to free water in Upper 12 in. Vater-stained Lear Calcal	r in pit: (in ) Depth to saturated soil: & (in.)  I Water Marks
Depth of surface water:  Primary Indicators: If Secondary Indicators (2)  Oxidized Root Channel Comments:  DILS  Series/Phase: Le Lo	nundated Saturated  or more required): els in Upper 12 in V	repth to free water in Upper 12 in.   Water-stained Lear   Ladi Calco	r in pit: (in ) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  ves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators:  Secondary Indicators (2)  Oxidized Root Channel Comments:  OILS  Series/Phase:  Lo Lo  Taxonomy [Subgroup]:	inundated Saturated or more required): els in Upper 12 in V	Vater-stained Lear	r in pit: (in.) Depth to saturated soil: 8
Depth of surface water:  Primary Indicators:   Secondary Indicators (2)  Oxidized Root Channel Comments:   OILS  Series/Phase:   Redoc  Taxonomy [Subgroup]:  Histosol  Histic Ep	in.) Donundated Saturated or more required): els in Upper 12 in Survey  ing grave  Thermic Main ipedon Sundic Odo	Vater-stained Lear	r in pit: (in ) Depth to saturated soil: 8 (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  ves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators: If I Secondary Indicators (2 III Oxidized Root Channel Comments: If I III Oxidized Root Channel III Oxidized Root Channel II Ox	inundated Saturated or more required): els in Upper 12 in V	Vater-stained Lear	r in pit: (in.) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators: If I Secondary Indicators (2 I Oxidized Root Channel Comments: If I Oxidized Root Channel I Oxidized Root I Oxidized Root I Oxidized Root I Oxidized Root Channel I Oxidized Root I Oxidized Root Channel	inundated Saturated or more required): els in Upper 12 in Saturated  ing grave  Thernic A ipedon Sufidic Odo in Surface Layer in Sat	Vater-stained Leave Line Land Carlo	r in pit: (in ) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drainage Patterns in Water Marks □ Drainage Patterns in Water Soils Soil Survey Data □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators: If I Secondary Indicators (2 I Oxidized Root Channel Comments: If I Oxidized Root Channel I Oxidized Root I Oxidized Root I Oxidized Root I Oxidized Root Channel I Oxidized Root I Oxidized Root Channel	inundated Saturated or more required): els in Upper 12 in V	Vater-stained Leave Line Land Carlo	r in pit: (in.) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators: If I Secondary Indicators (2 I Oxidized Root Channel Comments: If I Oxidized Root Channel I Oxidized Root I Oxidized Root I Oxidized Root I Oxidized Root Channel I Oxidized Root I Oxidized Root Channel	inundated Saturated or more required): els in Upper 12 in Saturated  ing grave  Thernic A ipedon Sufidic Odo in Surface Layer in Sat	Vater-stained Leave Line Land Carlo	r in pit: (in ) Depth to saturated soil: & (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other   HYDRIC SOILS? Yes □ Notation  □ Gleyed/Low Chroma Colors □ Conception □ Reducing Conditions □ Gleyed/Low Chroma Colors □ Conception  □ Streaking in Sandy Soils □ Listed on Hydric Soils List: □ Other On Hydric Soils List: Yes □ Notation  □ Gleyed/Low Chroma Colors □ Conception  □ Conce
Depth of surface water:  Primary Indicators: If I Secondary Indicators (2 I Oxidized Root Channel Comments: If I Oxidized Root Channel I Oxidized Root I Oxidized Root I Oxidized Root I Oxidized Root Channel I Oxidized Root I Oxidized Root Channel	inundated Saturated or more required): els in Upper 12 in Saturated  ing grave  Thernic A ipedon Sufidic Odo in Surface Layer in Sat	Vater-stained Leave Line Land Carlo	r in pit: (in.) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators: If I Secondary Indicators (2 I Oxidized Root Channel Comments: If I Oxidized Root Channel I Oxidized Root I Oxidized Root I Oxidized Root I Oxidized Root Channel I Oxidized Root I Oxidized Root Channel	inundated Saturated or more required): els in Upper 12 in Saturated  ing grave  Thernic A ipedon Sufidic Odo in Surface Layer in Sat	Vater-stained Leave Line Land Carlo	r in pit: (in.) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators:   Secondary Indicators (2  Oxidized Root Channel Comments:   OILS  Series/Phase:   Comments:   Histosel   Histic Ep  High Organic Content Inclusions [Series/Phase]  Depth (in.)	inundated Saturated or more required): els in Upper 12 in Saturated  ing grave  Thernic A ipedon Sufidic Odo in Surface Layer in Sat	Vater-stained Leave Line Land Carlo	r in pit: (in.) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other
Depth of surface water:  Primary Indicators: If Secondary Indicators (2)  Oxidized Root Channel Comments: If	inundated Saturated or more required): els in Upper 12 in Saturated  ing grave  Thernic A ipedon Sufidic Odo in Surface Layer in Sat	Vater-stained Leave Line Land Carlo	Trin pit:
Depth of surface water:  Primary Indicators: In Indicators: In Indicators: Ind	inundated Saturated or more required):  els in Upper 12 in V  ing grave  Thermic in in Surface Layer in Saturated or in Surface Layer in Saturated i	Vater-stained Lear  Vater-stained Lear  Vater-stained Lear  Vater-stained Lear  Value Licate  Aquic Moist  andy Soils   Org	Trin pit: (in ) Depth to saturated soil: 8 (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drainage Patterns in Water Marks   Drainage Patterns in Water Soils Soil Survey Data   FAC-Neutral Test   Other
Depth of surface water:  Primary Indicators: If Secondary Indicators (2)  Oxidized Root Channel Comments: If	inundated Saturated or more required):  els in Upper 12 in V  ing grave  Thermic in in Surface Layer in Saturated or in Surface Layer in Saturated i	Vater-stained Lear  Vater-stained Lear  Vater-stained Lear  Vater-stained Lear  Value Licate  Aquic Moist  andy Soils   Org	r in pit: (in ) Depth to saturated soil: & (in.)  Water Marks Drift Lines Sediment Deposits Drainage Patterns in W  ves Local Soil Survey Data FAC-Neutral Test Other
Depth of surface water:  Primary Indicators: In Indicators: In Indicators: Ind	inundated Saturated or more required):  els in Upper 12 in V  ing grave  Thermic in in Surface Layer in Saturated or in Surface Layer in Saturated i	Vater-stained Lear  Vater-stained Lear  Vater-stained Lear  Vater-stained Lear  Value Licate  Aquic Moist  andy Soils   Org	Trin pit:

HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed  Bro hor  Lol mul  Hem pun  Tae cap  Tri hir	Actual Cover  20 20 15 40 15	Relative Cover  18.2  18.2  13.6  36.4  13.6	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ) =  Species (Descending Order)	Relative Cover	100%  Cumulative Cover	Indicator Status	Dominants
Tae cap Bro hor Lol mul	36.4 18.2 18.2	36.4 54.6 72.8		
•				
Annual Control of the			The second secon	-

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company	
Applicant/Owner: River - West	Field Investigator(s): 5. Ropec
County: Yuha State: Ca	Plant Community: <u>Angual Grass Jand</u>
Quad(s): Wheatland	Section/Township/Range: UNSEC, TIYN, RSE
	If no, explain:
Atypical Situation? Yes 🗖 No 🕿 Explain:	
Is this a potential Problem Area? Yes 🔾 No 🛡 Explain:	
EGETATION -	HYDROPHYTIC VEGETATION? Yes ■ No
Dominant Species Ind. Status Stratum Rel. % Co.	
1) Ery Vas Facw H 35	
,	
• •	6)
3)	
	8)
Percentage of dominant species that are OBL, FACW, and/or	FAC [excluding FAC-]: $\frac{2}{2} = \frac{100}{9}$ %
Comments:	
TYDROLOGY	WETLAND HYDROLOGY? Yes No
Recorded Data: Ver D No # If was	
Recorded Data: Yes 🗆 No 🕮 If yes,	
Depth of surface water: (in ) Depth to free w	vater in pit: (in ) Depth to saturated soil: (in )
Depth of surface water: (in ) Depth to free water:	vater in pit: (in ) Depth to saturated soil: (in )
Depth of surface water: (in ) Depth to free w.  *Primary Indicators: *\Pi\$ Inundated *\Pi\$ Saturated in Upper 12 in *Secondary Indicators (2 or more required):	vater in pit: (in ) Depth to saturated soil: (in )  Depth to saturated soil: (in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wet
Depth of surface water: (in ) Depth to free	vater in pit: (in ) Depth to saturated soil: (in )  Depth to saturated soil: (in )  Water Marks Drift Lines  Sediment Deposits  Drainage Patterns in Wet  Leaves  Local Soil Survey Data  FAC-Neutral Test Other Peta
Depth of surface water: (in ) Depth to free water    Primary Indicators:  Inundated  Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  Water-stained I   Comments:    Oxidized Root Channels in Upper 12 in    Oxidized Root Channels in    Oxidized Root Channel	rater in pit: (in ) Depth to saturated soil: (in )  1.  Water Marks Drift Lines  Sediment Deposits  Drainage Patterns in Wet  Leaves  Local Soil Survey Data  FAC-Neutral Test Other
Depth of surface water: (in ) Depth to free water primary Indicators: □ Inundated □ Saturated in Upper 12 in Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained I Comments: / ○ + 2 o indicators obs	rater in pit: (in ) Depth to saturated soil: (in )  n. □ Water Marks □ Drift Lines ■ Sediment Deposits ■ Drainage Patterns in Wet  Leaves □ Local Soil Survey Data □ FAC-Neutral Test ■ Other
Depth of surface water: (in ) Depth to free water in Upper 12 in Secondary Indicators: Inundated In Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in In Water-stained In Comments:	rater in pit: (in ) Depth to saturated soil: (in )  n. □ Water Marks □ Drift Lines ■ Sediment Deposits ■ Drainage Patterns in Wet  Leaves □ Local Soil Survey Data □ FAC-Neutral Test ■ Other
Depth of surface water: (in ) Depth to free water	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water   (in ) Depth to free water   (in ) Depth to free water     Inundated   Saturated in Upper 12 in   Secondary Indicators (2 or more required):   Oxidized Root Channels in Upper 12 in   Water-stained   Comments:                 Oxidized Root Channels in Upper 12 in   Water-stained   Comments:	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water   Primary Indicators:   Inundated   Saturated in Upper 12 in Secondary Indicators (2 or more required):   Oxidized Root Channels in Upper 12 in   Water-stained I   Comments:   O + 20 indicators observed   OILS    Series/Phase: Redding grave/ly   Taxonomy [Subgroup]: Thermic Aboutic   Aquic Mellistosol   Histic Epipedon   Suffice Odor   Aquic Mellistosol   Histic Epipedon   Suffice Layer in Sandy Soils   Other   Organic Content in Surface Layer in Sandy Soils   Other   Organic Content   Other   Other   Organic Content   Other   Other	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water   Primary Indicators:   Inundated   Saturated in Upper 12 in Secondary Indicators (2 or more required):   Oxidized Root Channels in Upper 12 in   Water-stained   Comments:   O   O   Indicators   Ob   OILS    Series/Phase:   Redding   Gave/ly   Oxidized Root   Oxidized Root   Oxidized Root Channels   Oxidized Root   Oxidized Root Channels   Oxidized Root	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water	rater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in ) Depth to free water in the surface water: (in ) Depth to free water in the surface in the surfa	rater in pit:
Depth of surface water: (in ) Depth to free water in the surface water in the surface water in the surface in the surf	rater in pit:
Depth of surface water: (in ) Depth to free w.  Primary Indicators: □ Inundated □ Saturated in Upper 12 in  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained I.  Comments: / □ ↓ □ indicators ob =  OILS  Series/Phase: Redding grave/ly  Taxonomy [Subgroup]: Thermic Abrutic □ Histosol □ Histic Epipedon □ Suffidic Odor ■ Aquic Mo □ High Organic Content in Surface Layer in Sandy Soils □ (1)  Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color  B A F, S YR 3/2  Rathomy Soil pir (2) B  Comments: Topographic Agnie Sside  DECISION *	rater in pit:
Depth of surface water: (in ) Depth to free water in the surface water: (in ) Depth to free water in the surface	rater in pit:

HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed	Actual Cover	Relative Cover	<u>COVER:</u>	
Ery Vas	35	<u> 35 - </u>	Vegetation	85
G/y spe	35	35	Bare Ground	
fol mul	26	20	Rocks	
Pol man	10	10	Other Plant 1	ter 15
			TOTAL =	100%
<u>-</u>				
•				
	444100400000000000000000000000000000000			
	_			
A CONTRACTOR OF THE PARTY OF TH				
TOTAL CETAL (S)	- /^^	+ 000		
TOTAL SUM (∑) =	100	100%		
Species (Descending Order)	Relative Cover	Cumulative Cover	Indicator Status D	<u>ominants</u>
Ery Vas	35	35		AND THE PROPERTY OF THE PROPER
Gly Spe	35	70		
/ /				
and the second s			Against Anna ann an Taobhan, agus ann ann ann an Airm ann an Airm ann an Airm ann an Airm ann ann ann ann ann a	THE RESERVE THE PROPERTY OF TH
** ***********************************		*		
	and the second s			are the control of th
			was the second s	
A	——————————————————————————————————————			
4				
When the second		Vincenture and the second		And the state of t
	****			
- The state of the				
	er en			
				-politikalist of limita <sub>ria de</sub> property open property deplication.
			A A Million Report Contract Co	-
			A A Million Report Contract Co	

## ECORP Consulting, Inc.

General comments:

### **ROUTINE WETLAND DELINEATION**

ENVIRONMENTAL CONSULTANTS Project/Site: Brown Cattle Company Date: 6/30/05 Sample Point: 07 Applicant/Owner: River - West Field Investigator(s): 5 Roper County: Yuha State: Ca Plant Community: annual Grass/and Section/Township/Range: UNSEC TIYN, RSE Quad(s): When Hand Do normal environmental conditions exist site? Yes 📟 No 🚨 If no, explain: Atypical Situation? Yes 🗖 No 🖛 Explain: Is this a potential Problem Area? Yes 🚨 No 🛡 Explain: \_\_\_\_ VEGETATION -HYDROPHYTIC VEGETATION? Yes ■ No □ Dominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. Status Stratum Rel. % Cover 1) Tae Cap - H 24 5) \_\_\_\_\_ 3) Hem DUN Fac H 20 4) Lol mul fag H 20 Percentage of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 3/4 = 50 % HYDROLOGY -WETLAND HYDROLOGY? Recorded Data: Yes D No If yes, \_ Depth of surface water: \_\_\_\_\_ (in ) Depth to free water in pit: \_\_\_\_\_ (in ) Depth to saturated soil: \_\_\_\_\_ (in ) Primary Indicators: Inundated I Saturated in Upper 12 in I Water Marks I Drift Lines I Sediment Deposits I Drainage Patterns in Wetland: Secondary Indicators (2 or more required): 🗖 Oxidized Root Channels in Upper 12 in. 🗖 Water-stained Leaves 🗖 Local Soil Survey Data 🗖 FAC-Neutral Test 🗖 Other Comments: No 10 or 20 indicators observed. HYDRIC SOILS? Yes D No B Series/Phase: Redding gravelly loam 3-8%. Slopes Drainage Class: well drained Taxonomy [Subgroup]: Thermic Abrutic Durixeralfs Confirm Map Type: Yes 1 No 18 🗖 Histosol 📮 Histic Epipedon 📮 Sufidic Odor 📮 Aquic Moisture Regime 📮 Reducing Conditions 📮 Gleyed/Low Chroma Colors 📮 Concretions ☐ High Organic Content in Surface Layer in Sandy Soils ☐ Organic Streaking in Sandy Soils ☐ Listed on Hydric Soils List ☐ Other On Hydric Soils List: Yes 🗖 No 🗖 Inclusions [Series/Phase]: Depth (in.) Horizon Matrix Color Mottle (Abund/Contrast/Size) Texture, Concretions, Structure Mottle Color Comments: WETLAND / WATERS DETERMINATION? Yes □ No **DECISION \*** Rationale: Only 14 3 criteria met.

Wetland Type:

## HERBACEOUS COVER / DOMINANCE WORK SHEET

Species Observed	Acnial Cover	Relative Cover	COVER:	
Bro hor	25	20	Vegetation	/ ==
Hem pun	25	20	Bare Ground	
Lot mul	25	20	Rocks	9-A)-9-14
Tae Coo	30 .	24	Other	
Bri Min	10	8	TOTAL =	100%
Cen sol	10	8	TOTAL	100%
	**************************************	170 - 170 -		
THE STATE OF THE S		4		
Account to the second s				
		— — — — — — — — — — — — — — — — — — —		
	,			
TOTAL SUM $(\Sigma)$ =	125	100%		
		100,0		
		Managaran kapan katan ti tatah menangat makit ti tatah menangat menangat menangat menangat menangat menangat m		
Species (Descending Order)	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
Tae caa	24	24		
Bro hor	20	44		
Hem DUN	20	64		
1 1 200	20	84	The state of the s	And the state of t
<u> </u>			And the state of t	- The state of the
ANNUAL TO A THE THE PARTY OF TH		***************************************	deplated, and the second secon	And Associated Association (Company of the Company
		According to the second		······································
			The state of the late of the l	ur allah, michile alla minimiste magagan ga kapan ya katala minimista manan ma
**************************************		***************************************		
Was a second sec	The second secon	AND THE RESIDENCE OF THE PARTY		wasness and the state of the st
		**************************************		Complete to the second
**************************************				
AN -UNIO - AN		and the state of t		
		- the state of a state of the s	and the second of the second o	
				No. of the last of

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Applicant/Owner:	River - 4	1e5+		_ Field Investigator(s)	: 5. Rox	rec	
County: Yuha		State:	Ca	_ Plant Community: _			
				_ Section/Township/R			
				o, explain:			
Atypical Situation? Y	'es 🗖 No 🖶 Ex	plain:					
Is this a potential Pro	blem Area? Yes (	🗆 No 🗣 E	ixplain:		· · · · · · · · · · · · · · · · · · ·	***************************************	
EGETATION —					HYDROPHY	TIC VEGETA	TION? Yes 🖪 N
Dominant Species	Ind. Status	Stratum	Rel. % Cover	Dominant Species			
1) Lol mul	enc	H	55.5	5)			
3) ECV V25	- June 1	H	22.2	6) 7)	***************************************		<del></del>
				8)			
				[excluding FAC-]:	_		
						% <u></u>	
Conunents:			······································				
Depth of surface wate		(in.) Dept	h to free water	in pit: (i	n.) Depth to sati	urated soil:	
Depth of surface wate Primary Indicators: \( Secondary Indicators \)	r: S Inundated S s (2 or more requ	(in.) Dept aturated in U ired):	h to free water i	in pit:(i Water Marks ☐ Drift L	n.) Depth to satu	urated soil:	inage Patterns in W
Depth of surface wate  Primary Indicators:  Secondary Indicators  Oxidized Root Cha	r: S Inundated D S S (2 or more requirements in Upper 1.2)	(in.) Dept aturated in U ired): 2 in.  Wate	th to free water in Upper 12 i	in pit: (i Water Marks □ Drift L es □ Local Soil Survey	n) Depth to satuines 🗖 Sediment I	urated soil: Deposits <b>a</b> Dra	inage Patterns in W
Depth of surface wate  Primary Indicators:  Secondary Indicators  Oxidized Root Cha  Comments:	r: S Inundated D S S (2 or more requirements in Upper 1.2)	(in.) Dept aturated in U ired): 2 in.  Wate	th to free water in Upper 12 i	in pit:(i Water Marks ☐ Drift L	n) Depth to satuines 🗖 Sediment I	urated soil: Deposits <b>\$</b> Dra	inage Patterns in W
Depth of surface wate  Primary Indicators:  Secondary Indicators  Oxidized Root Cha  Comments: //	inundated DS s (2 or more requirements in Upper 12	(in.) Dept aturated in U ired): 2 in.  Wate	Tower	in pit:(i Water Marks □ Drift L es □ Local Soil Survey	n) Depth to sati	urated soil: Deposits  Dra utral Test  Oth	inage Patterns in WierSOILS? Yes R
Depth of surface wate  Primary Indicators:  Secondary Indicators  Oxidized Root Cha  Comments: ///  DILS  Series/Phase: Rec	Inundated S  S  S  S  S  S  S  S  S  S  S  S  S	in.) Dept aturated in Uired): 2 in. Wate	h to free water of Jpper 12 in.   er-stained Leave of Join Control  for the control  for th	in pit:(i Water Marks □ Drift L es □ Local Soil Survey	n) Depth to saturines	Deposits Dra  Deposits Dra  Dra  Dra  HYDRIC S  Drainage Class:	inage Patterns in W
Depth of surface wate  Primary Indicators: Secondary Indicators Oxidized Root Cha Comments:  DILS  Series/Phase: Rec Taxonomy [Subgroup	Inundated IS  So (2 or more requirements in Upper 12  Codicator  Iding 910  Illing 910	(in.) Dept aturated in the ired): 2 in. Water School	In to free water in Deprey 12 in December 12 in December 20 in Dec	in pit:(i Water Marks □ Drift L es □ Local Soil Survey	n) Depth to saturines	urated soil: Deposits	inage Patterns in WinerSOILS? Yes No Well diag
Depth of surface wate  Primary Indicators:  Secondary Indicators  Oxidized Root Cha Comments:  DILS  Series/Phase:  Rec Taxonomy [Subgroup  Historol D Histic	Inundated S  S  S  S  S  S  S  S  S  S  S  S  S	(in.) Dept aturated in U ired): 2 in. Wate 2 welly 2 in. A	In to free water of Joper 12 in    er-stained Leave    **Sorved**  **Loan**	in pit:(i Water Marks □ Drift L es □ Local Soil Survey	Depth to saturns of Sediment Data  FAC-New	Deposits Dra  Deposits Dra  Deposits Dra  HYDRIC S  Drainage Class:  Confirm Map T	inage Patterns in W  ner  SOILS? Yes N  Well dial  ype: Yes No oma Colors Com
Depth of surface wate  Primary Indicators: Secondary Indicators Comments:  DILS  Series/Phase: Rec Taxonomy [Subgroup Historol D History	Inundated S  S (2 or more requirements in Upper 12  Ading 910  Epipedon Suffernit in Surface La	(in.) Dept aturated in U ired): 2 in. Wate 2 welly 2 in. A	In to free water of Joper 12 in    er-stained Leave    **Sorved**  **Loan**	in pit: (i Water Marks □ Drift L es □ Local Soil Survey  3-8/. 5/o  Daci x eco	Depth to saturns of Sediment Data  FAC-New	Deposits Dra  Atral Test D Oth  HYDRIC S  Drainage Class:  Confirm Map T  ileyed/Low Chr  Hydric Soils L	inage Patterns in W  ner  SOILS? Yes N  Well dial  ype: Yes No oma Colors Com
Depth of surface wate  Primary Indicators: Secondary Indicators Oxidized Root Cha Comments:  DILS  Series/Phase: Rec Taxonomy [Subgroup Histosol O Histic High Organic Cont	Inundated S  S (2 or more requirements in Upper 12  Inclination  Ading 90  Epipedon Suftent in Surface La  ase]:	(in.) Dept aturated in U ired): 2 in. Wate 2 welly 2 in. A	er-stained Leave	in pit:(i Water Marks □ Drift L es □ Local Soil Survey  3-8/. 5/o  Darix er  are Regime □ Reducing nic Streaking in Sandy	Depth to saturns of Sediment Data  FAC-New	Deposits Dra  Itral Test Oth  HYDRIC S  Drainage Class: Confirm Map T  ileyed/Low Chr  Hydric Soils L On Hydric So  e) Texture.	inage Patterns in Well Arac  SOILS? Yes No  Well Arac  ype: Yes No  oma Colors Con  ist Other  oils List: Yes No  Concretions, Structure
Depth of surface water  Primary Indicators: Secondary Indicators  Oxidized Root Char Comments:  OILS  Series/Phase: Record Taxonomy [Subgroup Histosol U Histic High Organic Continuisions [Series/Phase]	Inundated S  S (2 or more requirements in Upper 12  Inclination  Ading 90  Epipedon Suftent in Surface La  ase]:	(in.) Dept aturated in U ired): 2 in. Wate 2 in. Wate 2 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 4 in. Wate 5 in. Wate 6 in. Wate 6 in. Wate 6 in. Wate 7 in. Wate 7 in. Wate 7 in. Wate 8 in. Wate 8 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 1	er-stained Leave	in pit:(i Water Marks □ Drift L es □ Local Soil Survey  3-8/. 5/o  Darix er  are Regime □ Reducing nic Streaking in Sandy	Depth to saturnes   Depth	Deposits Dra  Deposits Dra  Deposits Dra  HYDRIC S  Drainage Class:  Confirm Map T  Eleyed/Low Chr  Hydric Soils L  On Hydric So	inage Patterns in Well Arac  SOILS? Yes No  Well Arac  ype: Yes No  oma Colors Con  ist Other  oils List: Yes No  Concretions, Structure
Depth of surface water  Primary Indicators: Secondary Indicators  Oxidized Root Char Comments:  OILS  Series/Phase: Record Taxonomy [Subgroup Histosol U Histic High Organic Continuisions [Series/Phase]	Inundated S  S (2 or more requirements in Upper 12  Inclination  Ading 90  Epipedon Suftent in Surface La  ase]:	(in.) Dept aturated in U ired): 2 in. Wate 2 in. Wate 2 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 4 in. Wate 5 in. Wate 6 in. Wate 6 in. Wate 6 in. Wate 7 in. Wate 7 in. Wate 7 in. Wate 8 in. Wate 8 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 1	er-stained Leave	in pit:(i Water Marks □ Drift L es □ Local Soil Survey  3-8/. 5/o  Darix er  are Regime □ Reducing nic Streaking in Sandy	Depth to saturnes   Depth	Deposits Dra  Itral Test Oth  HYDRIC S  Drainage Class: Confirm Map T  ileyed/Low Chr  Hydric Soils L On Hydric So  e) Texture.	inage Patterns in Well Arac  SOILS? Yes No  Well Arac  ype: Yes No  oma Colors Con  ist Other  oils List: Yes No  Concretions, Structure
Depth of surface water  Primary Indicators: Secondary Indicators  Oxidized Root Char Comments:  OILS  Series/Phase: Record Taxonomy [Subgroup Histosol U Histic High Organic Continuisions [Series/Phase]	Inundated S  S (2 or more requirements in Upper 12  Inclination  Ading 90  Epipedon Suftent in Surface La  ase]:	(in.) Dept aturated in U ired): 2 in. Wate 2 in. Wate 2 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 4 in. Wate 5 in. Wate 6 in. Wate 6 in. Wate 6 in. Wate 7 in. Wate 7 in. Wate 7 in. Wate 8 in. Wate 8 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 1	er-stained Leave	in pit:(i Water Marks □ Drift L es □ Local Soil Survey  3-8/. 5/o  Darix er  are Regime □ Reducing nic Streaking in Sandy	Depth to saturnes   Depth	Deposits Dra  Itral Test Oth  HYDRIC S  Drainage Class: Confirm Map T  ileyed/Low Chr  Hydric Soils L On Hydric So  e) Texture.	inage Patterns in Well Arac  SOILS? Yes No  Well Arac  ype: Yes No  oma Colors Con  ist Other  oils List: Yes No  Concretions, Structure
Depth of surface water  Primary Indicators: Secondary Indicators  Oxidized Root Char Comments:  OILS  Series/Phase: Record Taxonomy [Subgroup Histosol   Histic High Organic Continclusions [Series/Phase] Depth (in.)  Ballori   G	Inundated S  S  S  S  S  S  S  S  S  S  S  S  S	(in.) Dept aturated in U ired): 2 in. Wate 2 in. Wate 2 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 4 in. Wate 5 in. Wate 6 in. Wate 6 in. Wate 6 in. Wate 7 in. Wate 7 in. Wate 7 in. Wate 8 in. Wate 8 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 1	er-stained Leave	in pit:(i Water Marks □ Drift L es □ Local Soil Survey  3-8/. 5/o  Darix er  are Regime □ Reducing nic Streaking in Sandy	Depth to saturnes   Depth	Deposits Dra  Itral Test Oth  HYDRIC S  Drainage Class: Confirm Map T  ileyed/Low Chr  Hydric Soils L On Hydric So  e) Texture.	inage Patterns in Well Arac  SOILS? Yes No  Well Arac  ype: Yes No  oma Colors Con  ist Other  oils List: Yes No  Concretions, Structure
Depth of surface water  Primary Indicators: Secondary Indicators  Oxidized Root Char Comments:  OILS  Series/Phase: Record Taxonomy [Subgroup Histosol U Histic High Organic Continuisions [Series/Phase]	Inundated S  S  S  S  S  S  S  S  S  S  S  S  S	(in.) Dept aturated in U ired): 2 in. Wate 2 in. Wate 2 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 4 in. Wate 5 in. Wate 6 in. Wate 6 in. Wate 6 in. Wate 7 in. Wate 7 in. Wate 7 in. Wate 8 in. Wate 8 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 9 in. Wate 1	er-stained Leave	in pit: (i  Water Marks □ Drift L  es □ Local Soil Survey  3-8/. 5/o  Darrix era  are Regime □ Reducing  nic Streaking in Sandy the Color Mottle (  B",	Depth to saturnes	urated soil:	inage Patterns in Well Arac  SOILS? Yes No  Well Arac  ype: Yes No  oma Colors Con  ist Other  oils List: Yes No  Concretions, Structure
Depth of surface water  Primary Indicators: Secondary Indicators  Oxidized Root Char  Comments: 10 1  DILS  Series/Phase: Recomments  Taxonomy [Subgroup  Histosol I Histic  High Organic Continuitions [Series/Phase]  Depth (in.)  Bollow Grand  Comments: Tope (	Inundated S  S  S  S  S  S  S  S  S  S  S  S  S	(in.) Dept aturated in U ired): 2 in. Wate 2 in. Wate 2 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 3 in. Wate 4 in. Wate 5 in. Wate 6 in. Wate 6 in. Wate 6 in. Wate 7 in. Wate 7 in. Wate 8 in. Wate 8 in. Wate 9 in. Wate 1	er-stained Leave	in pit: (i  Water Marks □ Drift L  es □ Local Soil Survey  3-8/. 5/o  Darrix era  are Regime □ Reducing  nic Streaking in Sandy the Color Mottle (  B",	Depth to saturnes	urated soil:	inage Patterns in Water  SOILS? Yes No

HERBACEOUS COVER / DOMINANCE WORK SHEET

			i	
Species Observed	Actual Cover	Relative Cover	COVER:	
bol mul			Vegetation	_90
Hen pun _	20 20	22.2	Bare Ground	10
Ery vas	20	<i>22.</i> 2	Rocks	
			Other	
			TOTAL =	100%
		*		
TOTAL SUM $(\Sigma)$	= 90	100%		
Species (Descending Order)	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
1/20				
601 max	55.5	55,5		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		
Non puro	22.2	77.7		

TOTAL SUM ( $\Sigma$ ) = 100%

# ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company	Date: 6/30/0.5 Sample Point: 09	
	Field Investigator(s): 2 Roper	
	Plant Community: <u>Annual Grass Jand</u>	
Quad(s): Wheatland	Section/Township/Range: UNSEC, TIYN, RSE	•
	If no, explain:	
Is this a potential Problem Area? Yes 🗖 No 🗣 Explain:		
EGETATION	HYDROPHYTIC VEGETATION? Yes	No
Dominant Species Ind. Status Stratum Rel. % Cove	er <u>Dominant Species</u> <u>Ind. Status</u> <u>Stratum</u> <u>Rel. % Cover</u>	
1) Bro hor Facu H 26.1		
2) Ave fat N/1 H 21.7		
4	<u>7</u> 7)	
4)		
Percentage of dominant species that are OBL, FACW, and/or F		
•		
Comments:		·
YDROLOGY	WETLAND HYDROLOGY? Yes	No
Recorded Data: Yes 🗖 No 🖷 If yes,	WEILAND HIDROLOGI: Tes C	······································
Recorded Data: Yes No If yes,	WEILAID HIDROLOGI: 165 C	)
Recorded Data: Yes \(\mathbb{\text{No}}\) No \(\mathbb{\text{No}}\) If yes,	ter in pit: (in ) Depth to saturated soil: (in )	)
Recorded Data: Yes \(\sigma\) No \(\boxed{\textsf{I}}\) If yes,	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in eaves   Local Soil Survey Data   FAC-Neutral Test   Other	n We
Recorded Data: Yes \(\sigma\) No \(\boxed{\textsf{I}}\) If yes,	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in	n We
Recorded Data: Yes \(\Q_i\) No \(\begin{array}{c}\) If yes, \( \text{[in]}\) Depth to free wa \(\text{Primary Indicators:}\) \(\Q_i\) Inundated \(\Q_i\) Saturated in Upper 12 in \(\text{Secondary Indicators (2 or more required):}\) Oxidized Root Channels in Upper 12 in \(\Q_i\) Water-stained Let \(\text{Comments:}\) \(\Q_i\) \( \text{[indicators (2 or more required):}\)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in eaves   Local Soil Survey Data   FAC-Neutral Test   Other	n We
Recorded Data: Yes \( \text{No} \) If yes, \( Depth of surface water: (in ) Depth to free water (in ) Depth	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □	n We
Recorded Data: Yes \( \text{No} \) If yes, \( Depth of surface water: (in ) Depth to free water (in ) Depth	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □	n We
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other	No la No
Recorded Data: Yes \( \text{No} \) If yes, \( Depth of surface water:	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in the seaves Local Soil Survey Data FAC-Neutral Test Other   HYDRIC SOILS? Yes   Particle Confirm Map Type: Yes N	No Conco
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other   HYDRIC SOILS? Yes □ Mark □ Sediment Deposits □ Drainage Class: Well of Deach Xeralfs	No Conco
Recorded Data: Yes \( \text{No} \) If yes, \( Depth of surface water:	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in the saves Local Soil Survey Data FAC-Neutral Test Other   HYDRIC SOILS? Yes   HYDRIC SOILS? Yes   Drainage Class: On	No.
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12 in  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lecomments:} \) \( \text{No} \) \( N	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  Eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □  Well do  Out Xeralfs □ Confirm Map Type: Yes □ N  isture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □  organic Streaking in Sandy Soils □ Listed on Hydric Soils List: Yes □	No Conc
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12 in  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lecomments:} \) \( \text{No} \) \( N	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □  Wisture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □ organic Streaking in Sandy Soils □ Listed on Hydric Soils List: Yes □  Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Stru	I No
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12 in  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lecomments:} \) \( \text{No} \) \( N	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  Eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □  HYDRIC SOILS? Yes □  Outive Aff Confirm Map Type: Yes □ N  isture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □  organic Streaking in Sandy Soils □ Listed on Hydric Soils List: Yes □  Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Stru  Sandy (Lay	No Conc
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12 in  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lecomments:} \) \( \text{No} \) \( N	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  Eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □  HYDRIC SOILS? Yes □  Outive Aff Confirm Map Type: Yes □ N  isture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □  organic Streaking in Sandy Soils □ Listed on Hydric Soils List: Yes □  Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Stru  Sandy (Lay	No Conc
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12 in  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lecomments:} \) \( \text{No} \) \( N	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  Eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □  HYDRIC SOILS? Yes □  Outive Aff Confirm Map Type: Yes □ N  isture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □  organic Streaking in Sandy Soils □ Listed on Hydric Soils List: Yes □  Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Stru  Sandy (Lay	No Conc
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in  Eaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes □  HYDRIC SOILS? Yes □  Outive Aff Confirm Map Type: Yes □ N  isture Regime □ Reducing Conditions □ Gleyed/Low Chroma Colors □  organic Streaking in Sandy Soils □ Listed on Hydric Soils List: Yes □  Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Stru  Sandy (Lay	No Conc
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in  Eaves    Local Soil Survey Data   FAC-Neutral Test   Other	No 18 Conc

Species Observed  Bro hor  Ave fat  Tae cap  How bi &  Tri hir		Relative Cover 26. / 21. 7 21. 7 13. 0 17. 4	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM $(\Sigma)$		100%		
Species (Descending Order)  Bro hor  Ave fat  Tae cap	Relative Cover 26./ 21. 7 21. 7	Cumulative Cover 26.1 47.8 69.5	Indicator Status D	ominants

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

ominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. 30 5)  S. dam Facw H 30 6)  Sage of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/2  ents:  LOGY  The definition of the surface water:	OPHYTIC VEGETATION? Yes No Cotatus Stratum Rel. % Cover
State:	OPHYTIC VEGETATION? Yes No Estatus Stratum Rel. % Cover
Section/Township/Range: Lamal environmental conditions exist site? Yes No If no, explain:    Situation? Yes No Explain:	OPHYTIC VEGETATION? Yes IN No I tatus Stratum Rel. % Cover
mal environmental conditions exist site? Yes No I If no, explain:    Situation? Yes No Explain:	OPHYTIC VEGETATION? Yes II No I tatus Stratum Rel. % Cover  = _/OO_%
ASSISTANTIAN Explain:  A potential Problem Area? Yes \( \text{ No } \) Explain:  ATION  HYDE  A pominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. Status Fac H 30 5)  A mult Fac H 30 6)  To age of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/2  Ents:  LOGY  To add the status of t	OPHYTIC VEGETATION? Yes III No I tatus Stratum Rel. % Cover
ATION    HYDE   Comminant Species   Ind. Status   Stratum   Rel. % Cover   Dominant Species   Ind. Status   Ind. Status   Stratum   Rel. % Cover   Dominant Species   Ind. Status   Ind.	OPHYTIC VEGETATION? Yes 10 No tatus Stratum Rel. % Cover
ominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. 30 5)  15	TETLAND HYDROLOGY? Yes No
ominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. 30 5)  15	TETLAND HYDROLOGY? Yes No
Solution   Fac   H   30   6   6   7   8   8   8   8   8   8   8   8   8	=_/OO%  TETLAND HYDROLOGY? Yes No
age of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/2 ents:  LOGY  ed Data: Yes \( \text{No} \) No \( \text{If yes,} \)  of surface water: \( \text{(in.)} \) Depth to free water in pit: \( \text{(in.)} \) Depth to grants and are obtained in Upper 12 in. \( \text{Water Marks} \) Drift Lines \( \text{Sectors} \) Section ary Indicators (2 or more required):  lized Root Channels in Upper 12 in. \( \text{Water-stained Leaves} \) Local Soil Survey Data \( \text{F} \)  ents: \( \text{Pase} \) \( \text{Pase} \) \( \text{Pase} \)  Phase: \( \text{Redding} \) \( \text{grave} \) \( \text{Pase} \)  Phase: \( \text{Redding} \) \( \text{grave} \) \( \text{Pase} \)  Phase: \( \text{Pase} \) \( \text{Pase} \) \( \text{Fase} \)  Osol \( \text{Uhistic Epipedon} \( \text{Usufic Odor} \) \( \text{Sufidic Odor} \) \( \text{Aquic Moisture Regime} \( \text{Q Reducing Condition of Organic Content in Surface Layer in Sandy Soils} \( \text{Q Organic Streaking in Sandy Soils} \) \( \text{Q Organic Streaking in Sandy Soils} \)	= _/OO %  TETLAND HYDROLOGY? Yes No
8)  sage of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/2  ents:  LOGY  ed Data: Yes \( \text{No} \) No \( \text{If yes,} \)  of surface water: \( \text{(in)} \) Depth to free water in pit: \( \text{(in)} \) Depth  by Indicators: \( \text{In undated} \) Inundated \( \text{Saturated} \) in Upper 12 in \( \text{Water Marks} \) Drift Lines \( \text{Sect} \)  Sections: \( \text{Indicators} \( \text{(2 or more required} \):  Alized Root Channels in Upper 12 in \( \text{Water-stained} \) Leaves \( \text{Local Soil Survey Data} \) Finds: \( \text{Phase:} \( \text{Polycetators} \) \( \text{Polycetators} \)  Phase: \( \text{Redding} \) \( \text{grave} \) \( \text{Polycetators} \)  Phase: \( \text{Redding} \) \( \text{grave} \) \( \text{Polycetators} \)  Organic Content in Surface Layer in Sandy Soils \( \text{Organic Streaking in Sandy Soils} \) \( \text{Lorganic Streaking in Sandy Soils} \) \( \text{Lorganic Streaking in Sandy Soils} \)	= /OO %  TETLAND HYDROLOGY? Yes No
age of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/2 ents:  LOGY  ed Data: Yes \( \text{No } \) If yes,  of surface water: (in.) Depth to free water in pit: (in.) Depth  by Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12 in. \( \text{Water Marks} \) Drift Lines \( \text{Saturated} \) Sectors  lized Root Channels in Upper 12 in. \( \text{Water-stained} \) Leaves \( \text{Local Soil Survey Data} \) For this: \( \text{Phase:} \( \text{Pality Indicator} \) Solved.  Phase: \( \text{Adding grave} \) Indicator \( \text{Docal Soil Survey} \) Data \( \text{Pality Factors} \) For this: \( \text{Pality But Maren } \) 3-8 \( \text{Solved} \).  Solved \( \text{Phase:} \) Histic Epipedon \( \text{Suffidic Odor} \) Aquic Moisture Regime \( \text{Reducing Condition} \) Organic Content in Surface Layer in Sandy Soils \( \text{Organic Streaking in Sandy Soils} \) \( \text{Organic Streaking in Sandy Soils} \) \( \text{Organic Streaking in Sandy Soils} \)	ETLAND HYDROLOGY? Yes No
age of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/2 ents:  LOGY  LOGY  LOGY  LOGY  LOGY  Log Data: Yes D No D If yes,  of surface water: (in.) Depth to free water in pit: (in.) Depth  Log Indicators: D Inundated D Saturated in Upper 12 in. D Water Marks D Drift Lines D Sectory Indicators (2 or more required):  Lized Root Channels in Upper 12 in. D Water-stained Leaves D Local Soil Survey Data D F.  Lents:	ETLAND HYDROLOGY? Yes No
ed Data: Yes \( \text{No } \text{If yes,} \)  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \( - \) (in.) Depth  of surface water: \( - \) (in.) Depth to free water in pit: \(	ETLAND HYDROLOGY? Yes <b>1</b> No
LOGY  ed Data: Yes \( \text{No} \) If yes,  of surface water: \( -\text{(in.)} \) Depth to free water in pit: \( -\text{(in.)} \) Depth  of surface water: \( -\text{(in.)} \) Depth to free water in pit: \( -\text{(in.)} \) Depth  of surface water: \( -\text{(in.)} \) Depth to free water in pit: \( -\text{(in.)} \) Depth  of surface water: \( -\text{(in.)} \) Depth to free water in pit: \( -\text{(in.)} \) Depth  of surface water: \( -\text{(in.)} \) Depth to free water in pit: \( -\text{(in.)} \) Depth  of surface water: \( -\text{(in.)} \) Depth  of surface water in pit: \( -(	
ed Data: Yes \( \text{No} \) If yes, \( \text{of surface water:} \) (in.) Depth to free water in pit: \( \text{of surface water:} \) (in.) Depth to free water in pit: \( \text{of surface water:} \) (in.) Depth to free water in pit: \( \text{of surface water:} \) (in.) Depth to free water in pit: \( \text{of surface water:} \) (in.) Depth to free water in pit: \( \text{of surface water:} \) Drift Lines \( O Section Section water	
Phase: Redding gravelly warm 3-8/. 5/ope  omy [Subgroup]: Mexic Abrutic Ducixeralfs  osol • Histic Epipedon • Suffdic Odor • Aquic Moisture Regime • Reducing Condition  of Organic Content in Surface Layer in Sandy Soils • Organic Streaking in Sandy Soils • Local Soil Survey Data • Foresting Interpretate of Content of Survey Data • Foresting Interpretate of Content of Surface Layer in Sandy Soils • Organic Streaking in Sandy Soils • Local Soil Survey Data • Foresting Interpretate of Content of Surface Layer in Sandy Soils • Organic Streaking in Sandy Soils • Local Soil Survey Data • Foresting Interpretate of Content of of Con	to saturated soil:(in.)
Phase: Resching gravelly warm 3-8/ 5/ope omy [Subgroup]: Murnic Abrusic Ducixerals Drediction of Organic Content in Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Office In Content of Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Office In Content of Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Office In Content of Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Office In Content of Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Office In Content of Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Office In Content of Surface Layer in Sandy Soils Office In Content of Surface In Surface	iment Deposits <b>in</b> Drainage Patterns in we
Phase: Redding gravelly warm 3-8/. 5/ope omy [Subgroup]: Murmic Abrutic Durixeralts osol • Histic Epipedon • Sufidic Odor • Aquic Moisture Regime • Reducing Condition of Organic Content in Surface Layer in Sandy Soils • Organic Streaking in Sandy Soils • L	C-Neutral Test # Other host 202
Phase: Redding gravelly warm 3-8/, 5/opa omy [Subgroup]: Juric Abrutic Ducixeralfs osol • Histic Epipedon • Sufidic Odor • Aquic Moisture Regime • Reducing Condition of Organic Content in Surface Layer in Sandy Soils • Organic Streaking in Sandy Soils • L	io nomina i care e concer personale
ormy [Subgroup]:     Subject   Content   Surface   Abrustic   Duci Xeral   Subject   S	HYDRIC SOILS? Yes B No
ormy [Subgroup]:     Subject   Content   Surface   Abrustic   Duci Xeral   Subject   S	······································
osol 🚨 Histic Epipedon 🚨 Sufidic Odor 💂 Aquic Moisture Regime 🚨 Reducing Condition n Organic Content in Surface Layer in Sandy Soils 🚨 Organic Streaking in Sandy Soils 🚨 L	Confirm Map Type: Yes 1 No
n Organic Content in Surface Layer in Sandy Soils 🚨 Organic Streaking in Sandy Soils 🚨 L	
	On Hydric Soils List: Yes 🗆 No
п.) Horizon Matrix Color Mottle Color Mottle (Abund/Con	
8 A 7.5 YR 3/3	
tem of pit @ 8"	1 / /
	Jandy Clay 180
	Jandy Clay 100
ents: Topographic depression with indication of	Jandy Clay 100
SION * WEILAND / W/	Jandy Clay 100.
ale: all 3 Criteria met.	Jandy Clay 100
omments: Wetland Type: Vec	Jandy Clay loo.

Species Observed Lol mul Des don Ery vas Tae Cap Hem pur	30 20 10	38 28 18	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ) =  Species (Descending Order)  Lol mal  Des dans	Relative Cover	100%  Cumulative Cover	Indicator Status	<u>Dominants</u>
				a a daga a da

## ECURP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Applicant/Owner: &	iver - le	105t		_ Field Investiga	ator(s):	_Lox	rer_		
County: Yuha									
Quad(s): Wheat									
Do normal environmenta								,	
Atypical Situation? Yes	□ No 🖛 Exp	plain:							
Is this a potential Proble	m Area? Yes 🕻	□ No 🛡 E	xplain:		······································				
EGETATION —					— Ну	DROPHY	TIC VEG	ETATION?	Yes 🖸 N
Dominant Species	Ind. Status	Stratum	Rel. % Cover	Dominant S	Species Ir	d. Status	Stratum	Rel. % Cover	[
1) Bro hor	Facu		29.2	5)		***************************************			_
2) Tae Cap		<i>I-I</i>	16.6	6)					_
3) Bri nin									
4) Tri bic									
Percentage of dominant	•				,				
Comments:									
	······································						***************************************		·····
Recorded Data: Yes 🗖 1	No <b>I</b> If yes,		<del></del>		L.			ROLOGY?	
Recorded Data: Yes 1	No If yes,	(in.) Dept	h to free water	in pit:	(in ) D	epth to sat	urated soil:	76	(in )
YDROLOGY  Recorded Data: Yes 1  Depth of surface water:  Primary Indicators: 1  Secondary Indicators (2	No If yes, Inundated I Salver more require	(in.) Dept aturated in U	h to free water Jpper 12 in. 🗖	in pit:	(in ) D	epth to sat Sediment	urated soil: Deposits 🖵	> 6 Drainage Pat	(in ) terns in V
Recorded Data: Yes 1 ? Depth of surface water: Primary Indicators: 1 ? Secondary Indicators (2 ? Oxidized Root Chann	No If yes, Inundated  Solution S	(in.) Dept aturated in U ired): 2 in.   Wate	h to free water Jpper 12 in   er-stained Leav	in pit: I Water Marks 🏻 I ves 🖜 Local Soil S	(in ) D  Drift Lines   Gurvey Data	epth to sat Sediment I FAC-Ner	urated soil: Deposits 🖵 utral Test 🗀	Drainage Pat	(in) terns in V
Recorded Data: Yes 1 ? Depth of surface water: Primary Indicators: 1 ? Secondary Indicators (2 1 ) Oxidized Root Chann Comments: 1 / 0 / 1	No If yes, Inundated  Solution S	(in.) Dept aturated in U ired): 2 in.   Wate	h to free water Jpper 12 in   er-stained Leav	in pit: I Water Marks 🏻 I ves 🖜 Local Soil S	(in ) D  Drift Lines   Gurvey Data	epth to sat Sediment I FAC-Ner	urated soil: Deposits   utral Test	Drainage Pat	(in ) terns in V
Recorded Data: Yes 1 ? Depth of surface water: Primary Indicators: 1 ? Secondary Indicators (2 1 Oxidized Root Chann Comments: 1 / OILS	Inundated Selection Selection Upper 12	(in.) Dept aturated in U ired): 2 in.   Water	h to free water  Jpper 12 in   er-stained Leav	in pit: Water Marks 🛭 I ves 🗘 Local Soil S	(in ) D  Orift Lines   Gurvey Data   (Vod.	epth to sat Sediment I FAC-Nei	urated soil: Deposits   utral Test   HYDR	Drainage Pat  Other  CIC SOILS?	(in) terns in V
Recorded Data: Yes 1 ? Depth of surface water: Primary Indicators: 1 ? Secondary Indicators (2 1 Oxidized Root Chann Comments: 1 / OILS	Inundated Selection Selection Upper 12	(in.) Dept aturated in U ired): 2 in.   Water	h to free water  Jpper 12 in   er-stained Leav	in pit: Water Marks 🛭 I ves 🗘 Local Soil S	(in ) D  Orift Lines   Gurvey Data   (Vod.	epth to sat Sediment I FAC-Nei	urated soil: Deposits   utral Test   HYDR	Drainage Pat  Other  CIC SOILS?	(in) terns in V
Recorded Data: Yes 1 Primary Indicators: 1 Primary Indicators: 1 Primary Indicators: 2 Primary Indicators: 1 P	Inundated Start St	(in.) Dept aturated in Usined): 2 in.   Water and water	h to free water  Jpper 12 in   er-stained Leaver  Licatoria	in pit: Water Marks D I  ves D Local Soil S  5	(in) D Drift Lines C Survey Data E Vod.	epth to sat Sediment FAC-Net	urated soil: Deposits   utral Test   HYDR  Drainage C  Confirm M	Drainage Pat  Other  IC SOILS?  lass: \( \( \sigma = \lambda \)	(in) terns in V Yes □ 1
Recorded Data: Yes 1 ?  Depth of surface water:  Primary Indicators: 1 ?  Secondary Indicators (2 ?  Oxidized Root Chann Comments: No / ?  DILS  Series/Phase: Record  Taxonomy [Subgroup]:  Histosol 1 Histic Ep	Inundated Selection Selection Selection Upper 12	(in.) Dept aturated in Uired):  2 in.   Water and water	h to free water  Jpper 12 in  er-stained Leave  Licalocatical  Aquic Moistr	in pit: Water Marks □ I  ves □ Local Soil S  \[ \text{D} \text{S} \text{D} \text{S} \text{D} \\ \text{D} \text{A} \text{C} \text{T} \text{E} \\  \text{Utre Regime □ Re}	(in) D  Orift Lines   Gurvey Data   Orift Lines   Orift Li	epth to sat Sediment FAC-Net	urated soil: Deposits   utral Test   HYDR  Drainage C  Confirm M  Gleyed/Low	Drainage Pat  Other  CIC SOILS?  lass: \( \sum_{\text{lass}} \)  ap Type: Yes  Chroma Colo	Yes 1
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Discoundary Indicators)  Oxidized Root Chann Comments: 1 Discoundary Indicators (2 Discoundary Indicators)  Series/Phase: 1 Population	Inundated Selection Selection Upper 12	(in.) Dept aturated in Uired):  2 in.   Water and water	h to free water  Jpper 12 in  er-stained Leave  Licalocatical  Aquic Moistr	in pit: Water Marks □ I  ves □ Local Soil S  \[ \text{D} \text{S} \text{D} \text{S} \text{D} \\ \text{D} \text{A} \text{C} \text{T} \text{E} \\  \text{Utre Regime □ Re}	(in) D  Orift Lines   Gurvey Data   Orift Lines   Orift Li	epth to sat Sediment FAC-Net	urated soil: Deposits   Itral Test   HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So	Drainage Pat  Other  IC SOILS?  lass: \( \( \sigma \) \( \sigma \)  Chroma Colo  oils List \( \sigma \) Ot	Yes 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Secondary Indicators: 2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: Recol Taxonomy [Subgroup]: 1 Histosol 1 Histic Ep High Organic Content Inclusions [Series/Phase	Inundated Salar Sa	(in.) Dept aturated in Uired):  2 in.   Water and water	h to free water  Jpper 12 in.   er-stained Leaver  Leaver  Aguic Moistry  Soils   Organic	in pit: Water Marks □ I  Ves □ Local Soil S  S	(in) D  Orift Lines   Gurvey Data   Orift Lines   Orift Li	epth to sat Sediment FAC-Net  tions □ C	urated soil: Deposits   Itral Test   HYDR  Drainage C  Confirm M  Gleyed/Low  1 Hydric So  On Hydr	Drainage Pat  Other  CIC SOILS?  lass: \( \sum_{\text{lass}} \)  ap Type: Yes  Chroma Colo	Yes O 1 Yes Co
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Primary Indicators:	Inundated Solver	(in.) Dept aturated in Uired): 2 in.  Water and Water an	h to free water  Jpper 12 in  er-stained Leaver  Adult Adult Moistry  Soils  Organ	in pit: Water Marks □ I  Ves □ Local Soil S  S	(in ) D Drift Lines  Gurvey Data   Survey Data   Color   Color	epth to sat Sediment FAC-Net  tions □ C	urated soil: Deposits  HYDR  HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So  On Hydr  Con Hydr	Drainage Pat  Other  IC SOILS?  lass:   Chroma Colc  ils List   Other  Other  Other	Yes 1 1 Cookher Yes 1 1
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Primary Indicators:	Inundated Solver	(in.) Dept aturated in Usined):  2 in.   Water and a second and a second a	h to free water  Jpper 12 in  er-stained Leave  Leave Licalor  Aquic Moistry  Soils  Organic	in pit: Water Marks □ I  Ves □ Local Soil S  Date X  ure Regime □ Re  anic Streaking in S	(in) D Drift Lines  Gurvey Data   Survey Data   Color   Color	epth to sat Sediment FAC-Net tions □ C Listed or	urated soil: Deposits   HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So  On Hydric So  On Hydric So	Drainage Pat  Other  IC SOILS?  lass: \( \( \sigma \) Chroma Colo  oils List \( \sigma \) Ot  ic Soils List:  cture, Concretion	Yes 1 1 Cookher Yes 1 1
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Primary Indicators:	Inundated Salar Sa	(in.) Dept aturated in Usined):  2 in.   Water and a second and a second a	h to free water  Jpper 12 in  er-stained Leave  Leave Licalor  Aquic Moistry  Soils  Organic	in pit: Water Marks □ I  Ves □ Local Soil S  Dan 3-c  Pare Regime □ Re  anic Streaking in S  outle Color A	(in) D Drift Lines  Gurvey Data   Survey Data   Color   Color	epth to sat Sediment FAC-Net tions □ C Listed or	urated soil: Deposits   HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So  On Hydric So  On Hydric So	Drainage Pat  Other  IC SOILS?  lass: \( \( \sigma \) Chroma Colo  oils List \( \sigma \) Ot  ic Soils List:  cture, Concretion	Yes 1 1 Cookher Yes 1 1
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Primary Indicators:	Inundated Salar Sa	(in.) Dept aturated in Usined):  2 in.   Water and a second and a second a	h to free water  Jpper 12 in  er-stained Leave  Leave Licalor  Aquic Moistry  Soils  Organic	in pit: Water Marks □ I  Ves □ Local Soil S  Dan 3-c  Pare Regime □ Re  anic Streaking in S  outle Color A	(in) D Drift Lines  Gurvey Data   Survey Data   Color   Color	epth to sat Sediment FAC-Net tions □ C Listed or	urated soil: Deposits   HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So  On Hydric So  On Hydric So	Drainage Pat  Other  IC SOILS?  lass: \( \( \sigma \) Chroma Colo  oils List \( \sigma \) Ot  ic Soils List:  cture, Concretion	Yes 1 1 Cookher Yes 1 1
Recorded Data: Yes 1 Popth of surface water:  Primary Indicators: 1 Primary Indicators:	Inundated Salar Sa	(in.) Dept aturated in Usined):  2 in.   Water and a second and a second a	h to free water  Jpper 12 in  er-stained Leave  Leave Licalor  Aquic Moistry  Soils  Organic	in pit: Water Marks □ I  Ves □ Local Soil S  Day 3-0  Day X e  ure Regime □ Re  anic Streaking in S  outle Color M	(in ) D Drift Lines  Gurvey Data   Survey Data   Color   Gurvey Da	epth to sat Sediment FAC-Net tions □ C Listed of	urated soil: Deposits   HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So  On Hydric So  On Hydr	Drainage Pate Drainage Pate Dother	Yes O No lors O Cocher Yes O 1
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: Real Taxonomy [Subgroup]: Histosol Histic Ep High Organic Conten Inclusions [Series/Phase Depth (in.)  Boltom J	Inundated Standard St	(in.) Dept aturated in Usined):  2 in.   Water and the second of the sec	h to free water  Jpper 12 in  er-stained Leave  Leave Licalor  Aquic Moistry  Soils  Organic	in pit: Water Marks □ I  Ves □ Local Soil S  Day 3-0  Day X e  ure Regime □ Re  anic Streaking in S  outle Color M	(in ) D Drift Lines  Gurvey Data  C S S S S S S S S S S S S S S S S S S	epth to sat Sediment  I FAC-Net  tions  Contrast/Siz  WATERS	urated soil: Deposits  HYDR  HYDR  Drainage C  Confirm M  Gleyed/Low  Hydric So  On Hydr  Con Hy	Drainage Pat  Other  IC SOILS?  lass: \( \( \sigma \) Chroma Colo  oils List \( \sigma \) Ot  ic Soils List:  cture, Concretion	Yes Coher Yes Coher Yes Co

Species Observed  Ave fat  Bra har  Hem pun  Tae cap  Bri min  Tri hir	15 35 10 20 20	29 2 8.3 16.6 16.6 16.6	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ)  Species (Descending Order)	Relative Cover	100%  Cumulative Cover	Indicator Status [	Dominants
Bro hor				availla validation of reason of the provider reason.
Tae Cap				ALA ARANGAN ALA ARANGAN AND AND AND AND AND AND AND AND AND A
	16.6		A HOLES AND	
Tei hic	16.6	79	Annual An	returned on a commence described on the second of the seco
				AND SERVICE AND SERVICE AS A SE
ATTACL THE TAXABLE ATTACL TO THE TAXABLE ATTACL TO THE TAXABLE ATTACL TO TAXABLE ATTACL TAXABLE ATTACL TAXABLE ATTACL TAXABLE ATTACL TO TAXABLE ATTACL TAXAB				
and the second s				
The second secon	AND		Valentiness and the state of th	yddingad arlandig Talla (1884 a 1884) 1885 (1884 a 1884) 1885 (1884) 1885 (1884) 1885 (1884) 1885 (1884) 1885
	***************************************	AND AND ADDRESS OF THE PARTY OF		Announce de la companya de la compa
			And the second s	
	And the second s		CONTRACTOR OF THE PROPERTY OF	MANAGEMENT AND
		***************************************		11111111111111111111111111111111111111
·		And the state of t	AND THE PROPERTY OF THE PROPER	
			· day-assamplystam a newspaper black of the second of the	

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company	Date: 6/30/05 Sample Point: 12
Applicant/Owner: River - West	Field Investigator(s): 5. Roper
	Plant Community: appual Grass land
	Section/Township/Range: UNSEC, TIYN, RSE
	If no, explain:
EGETATION ————	HYDROPHYTIC VEGETATION? Yes ■ No 5
Dominant Species Ind. Status Stratum Rel. % Co	over Dominant Species Ind. Status Stratum Rel. % Cover
1) Ery Vas Facul H 33.	
2) Tri vir N/L H 33.	
•	
3)	
4)	
Percentage of dominant species that are OBL, FACW, and/or	
Comments:	
YDROLOGY —	WETLAND HYDROLOGY? Yes No i
Recorded Data: Yes □ No ■ If yes,	
	vater in pit: (in ) Depth to saturated soil: > 8 (in.)
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained	water in pit: (in ) Depth to saturated soil: (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Wetl  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained Comments: ☐ indicator observed.	vater in pit: (in ) Depth to saturated soil:
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained Comments: ☐ indicator observator	vater in pit: (in ) Depth to saturated soil: 8 (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Wetl  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes ■ No I
Primary Indicators: Innundated I Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in I Water-stained Comments: 10 indicator observators  OILS  Series/Phase: Ladding gravelly	water in pit: (in ) Depth to saturated soil: 8 (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Wetl  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes ■ No □  Local 3-8 ½ Drainage Class: well deals
Primary Indicators:  Inundated  Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  Water-stained  Comments:   Oils  Series/Phase: Ladding gravely  Taxonomy [Subgroup]:   Hurnic Abrutic	water in pit: (in ) Depth to saturated soil: 8 (in .)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Wetl  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  ### HYDRIC SOILS? Yes ■ No □  ###################################
Primary Indicators:  Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Comments:   Omega April 12 in Series/Phase:   Series/Phase:   Series/Phase:   Series/Phase:   Series/Phase:   April 12 in Water-stained Observation  OHLS  Series/Phase:   Series/Phas	water in pit: (in ) Depth to saturated soil: 8 (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Weth  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes ■ No □    Local Soil Survey Data □ FAC-Neutral Test □ Other    HYDRIC SOILS? Yes ■ No □    Local Soil Survey Data □ FAC-Neutral Test □ Other    HYDRIC SOILS? Yes ■ No □    Local Soil Survey Data □ FAC-Neutral Test □ Other    Local Soil Survey Data □ FAC-Neutral Test □ Other    HYDRIC SOILS? Yes ■ No □    Local Soil Survey Data □ FAC-Neutral Test □ Other    Local Soil Survey Data □ FAC-Neutral Test □ Other    HYDRIC SOILS? Yes ■ No □    Local Soil Survey Data □ FAC-Neutral Test □ Other    Local Soil Survey Data □ FAC-Neutral Test □ Other
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained Comments: / cindicator observed  DILS  Series/Phase: Ladding gravelly  Taxonomy [Subgroup]: Aprimic Abrutic ☐ Histosol ☐ Histic Epipedon ☐ Sufidic Odor ■ Aquic M ☐ High Organic Content in Surface Layer in Sandy Soils ☐	water in pit: (in ) Depth to saturated soil: 8 (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Weth  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes ■ No □  Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Weth  HYDRIC SOILS? Yes ■ No □  Water Marks □ Drainage Patterns in Weth  HYDRIC SOILS? Yes ■ No □  Organic Streaking □ Reducing Conditions □ Gleyed/Low Chroma Colors □ Concrete  Organic Streaking in Sandy Soils □ Listed on Hydric Soils List □ Other
Primary Indicators:  Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Comments:   Oxidized Root Channels in Upper 12 in Water-stained Comments in Up	water in pit: (in ) Depth to saturated soil: 8 (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Weth  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  HYDRIC SOILS? Yes ■ No □  Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Weth  HYDRIC SOILS? Yes ■ No □  Water Marks □ Drainage Patterns in Weth  HYDRIC SOILS? Yes ■ No □  Organic Streaking □ Reducing Conditions □ Gleyed/Low Chroma Colors □ Concrete  Organic Streaking in Sandy Soils □ Listed on Hydric Soils List □ Other
Primary Indicators:  Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Comments:   Omega Acros observation  Series/Phase:   Redding gravely  Taxonomy [Subgroup]:   Histosol Histic Epipedon Sufidic Odor Aquic Mandalogy  High Organic Content in Surface Layer in Sandy Soils  Inclusions [Series/Phase]:	water in pit:
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained Comments: / Cindicator Observed  DILS  Series/Phase: Ladding gravelly  Taxonomy [Subgroup]: Aprimic Abrutic ☐ Histosol ☐ Histic Epipedon ☐ Sufidic Odor ■ Aquic M ☐ High Organic Content in Surface Layer in Sandy Soils ☐ Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color  8 A 5 YR 3/2	water in pit:
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained Comments: / Cindicator Observed  DILS  Series/Phase: Ladding gravelly  Taxonomy [Subgroup]: Aprimic Abrutic ☐ Histosol ☐ Histic Epipedon ☐ Sufidic Odor ■ Aquic M ☐ High Organic Content in Surface Layer in Sandy Soils ☐ Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color  8 A 5 YR 3/2	water in pit:
Primary Indicators:  Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Comments:   Omega Series/Phase:   Series/Phase:   Redding gravelly  Taxonomy [Subgroup]:   Histosol Histic Epipedon Sufidic Odor Aquic Maris Color Aquic Matrix Color  By Horizon Matrix Color	water in pit:
Primary Indicators:  Inundated  Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  Water-stained Comments:	water in pit:
Primary Indicators:  Inundated  Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  Water-stained Comments:	water in pit:
Primary Indicators:  Inundated  Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  Water-stained Comments:	water in pit:

		Relative Cover  33.3  14.3  19.6  33.3	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
,	Relative Cover  33.3  33.3	100%  Cumulative Cover  33.3 66.6	Indicator Status	<u>Dominants</u>

	Date:
Applicant/Owner: River - West	
County: Yuka State: Ca	Plant Community:
Quad(s): When Hand	Section/Township/Range: UNSEC, TIYN, RSE
Do normal environmental conditions exist site? Yes $\blacksquare$ No $\square$	If no, explain:
Atypical Situation? Yes 🗖 No 🖛 Explain:	
Is this a potential Problem Area? Yes 🗆 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes ☐ N
Dominant Species Ind. Status Stratum Rel. % Cover	er <u>Dominant Species</u> <u>Ind. Status</u> <u>Stratum</u> <u>Rel. % Cover</u>
1) Tal COP - H 27,2	5) Bri Min Facu H 13.6
,	6) Lat mul Fac H 13.6
,	7)
	8)
Percentage of dominant species that are OBL, FACW, and/or FA	AC Leveluding EAC 3: 2/c = 22 %
Comments:	
	WETLAND HYDROLOGY? Yes □ N
YURULUGY	WETLAND HYDROLOGY? Yes U N
	Land to the state of the state
Recorded Data: Yes 🗖 No 🛢 If yes,	
Recorded Data: Yes No If yes,	ter in pit: (in ) Depth to saturated soil: > C (in )
Recorded Data: Yes \( \bigcap \) No \( \bigcap \) If yes,	
Recorded Data: Yes  No If yes,	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in W
Recorded Data: Yes \(\sigma\) No \(\begin{array}{c}\) If yes,	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Weaves   Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( ———————————————————————————————————	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water   Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No} \) If yes,	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water
Recorded Data: Yes \( \text{No} \) If yes,	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water   Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( \text{— (in.)} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{D} \) Saturated in Upper 12 in. \( \text{Is Secondary Indicators (2 or more required):} \( \text{D} \) Oxidized Root Channels in Upper 12 in \( \text{D} \) Water-stained Le. Comments: \( \text{No} \) \( No	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water
Recorded Data: Yes \( \text{No} \) \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \(	ter in pit: (in ) Depth to saturated soil: C (in )  Water Marks    Drift Lines    Sediment Deposits    Drainage Patterns in We haves    Local Soil Survey Data
Recorded Data: Yes \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( \text{— (in.)} \) Depth to free water.  Primary Indicators: \( \text{D} \) Inundated \( \text{D} \) Saturated in Upper 12 in. \( \text{Secondary Indicators (2 or more required):} \)  Oxidized Root Channels in Upper 12 in \( \text{D} \) Water-stained Le. Comments: \( \text{No} \) \(	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) \( \text{Inundated} \) Saturated in Upper 12 in \( \text{Secondary Indicators:} \) Inundated \( \text{D Saturated in Upper 12 in } \) Oxidized Root Channels in Upper 12 in \( \text{D Water-stained Lector Comments:} \) \( \text{No} \) \( \	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water.  Primary Indicators: \( \text{Depth in Inundated } \text{Distance Saturated in Upper 12 in Inundated } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Distance Water-stained Lector Comments: } \text{No} \( \text{Distance Post of Partice Phase: } \)  Series/Phase: \( \text{Rod ding gravelly log Indicator Distance Phase } \)  Histosol \( \text{Distance Histosol Distance Layer in Sandy Soils Dor Inclusions [Series/Phase]: } \)  Depth (in.) \( \text{Horizon Matrix Color Distance Phase} \)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water.  Primary Indicators: \( \text{Depth in Inundated } \text{Distance Saturated in Upper 12 in Inundated } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Distance Water-stained Lector Comments: } \) \( \text{No} \)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soils Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water.  Primary Indicators: \( \text{Depth in Inundated } \text{Distance Saturated in Upper 12 in Inundated } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Distance Water-stained Lector Comments: } \) \( \text{No} \)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soils Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water.  Primary Indicators: \( \text{Depth in Inundated } \text{Distance Saturated in Upper 12 in Inundated } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Distance Water-stained Lector Comments: } \) \( \text{No} \)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water.  Primary Indicators: \( \text{Depth in Inundated } \text{Distance Saturated in Upper 12 in Inundated } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Distance Water-stained Lector Comments: } \) \( \text{No} \)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soils Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water.  Primary Indicators: \( \text{Depth in Inundated } \text{Distance Saturated in Upper 12 in Inundated } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Distance Water-stained Lector Comments: } \) \( \text{No} \)	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soils Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) \( \text{If yes,} \)  Depth of surface water: \( \text{— (in.)} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in. } \)  Secondary Indicators (2 or more required):  \( \text{O Oxidized Root Channels in Upper 12 in. } \text{ Water-stained Lector Comments: } \( \text{No} \) \( \text{O Ox. } \) \( O	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soils Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free water \( \text{Primary Indicators: } \) Inundated \( \text{Daturated in Upper 12 in.} \) \( \text{Secondary Indicators (2 or more required): } \) Oxidized Root Channels in Upper 12 in. \( \text{Daturated Water-stained Lector Comments: } \) \( \text{No} \) \(	ter in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soil Survey Data □ FAC-Neutral Test □ Other (a. 1.5

	36 15 15 20	27.3	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
Species (Descending Order)  Tae cap  Tri hir  Bro hor  Hem pun  Bri min  Lo/ mul		45.5 59.1 72.7 86.3 99.9		Dominants

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company	•
Applicant/Owner: River - West	
County: Yuha State: Ca	
Quad(s): Wheatland	Section/Township/Range: UNSEC, TIYN, RSE
Do normal environmental conditions exist site? Yes $\blacksquare$ No $\square$	If no, explain:
Atypical Situation? Yes 🗖 No 🕿 Explain:	
ls this a potential Problem Area? Yes 🗖 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes ■ N
Dominant Species Ind. Status Stratum Rel. % Cov	ver Dominant Species Ind. Status Stratum Rel. % Cover
1) fol mul Fac H 26.	<u>3</u> 5)
	3 6)
3)	
4)	
Percentage of dominant species that are OBL, FACW, and/or I	
Comments:	
Depth of surface water: (in.) Depth to free wa	rater in pit: (in ) Depth to saturated soil: (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in W
Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in. ☐ Water-stained L	ater in pit: (in ) Depth to saturated soil: (in.)  Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Water Marks □ Local Soil Survey Data □ FAC-Neutral Test □ Other hoof print
Depth of surface water: (in.) Depth to free water remarks Indicators: □ Inundated □ Saturated in Upper 12 in Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in. □ Water-stained I. Comments:	ater in pit: (in.) Depth to saturated soil: (in.)  Depth to saturated soil: (in.)  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drift Lines   Drainage Patterns in Water   Drainage   Drainage
Depth of surface water: (in.) Depth to free water in Upper 12 in Secondary Indicators: □ Inundated □ Saturated in Upper 12 in Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained In Comments:	ater in pit: (in ) Depth to saturated soil: (in.)  Depth to saturated soil: (in.)  Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride the pride the pride that □ Soil Survey Data □ FAC-Neutral Test □ Other hoof pride the pride t
Depth of surface water: (in.) Depth to free water in Upper 12 in Secondary Indicators: □ Inundated □ Saturated in Upper 12 in Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained In Comments:	ater in pit: (in.) Depth to saturated soil: (in.)  Depth to saturated soil: (in.)  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drift Lines   Drainage Patterns in Water   Drainage   Drainage
Depth of surface water: (in.) Depth to free water in Upper 12 in Secondary Indicators: □ Inundated □ Saturated in Upper 12 in Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained In Comments:	ater in pit: (in.) Depth to saturated soil: (in.)  Depth to saturated soil: (in.)  Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in Water Marks □ Drainage Patterns in Water Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other hoof prince of the
Depth of surface water: (in.) Depth to free water   (in.) Depth to free water	ater in pit: (in.) Depth to saturated soil:
Depth of surface water: (in.) Depth to free water   Primary Indicators: □ Inundated □ Saturated in Upper 12 in Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained L Comments: _/ □ indicator Observed   Osserved OILS   Series/Phase: Redding gravelly load   Taxonomy [Subgroup]: Thermic Abrustic   Histosol □ Histic Epipedon □ Sufidic Odor □ Aquic Mo □ High Organic Content in Surface Layer in Sandy Soils □ O	ater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in.) Depth to free water   (in.) Depth to free water	ater in pit: (in ) Depth to saturated soil:
Depth of surface water: (in.) Depth to free water in the surface water: (in.) Depth to free water in the surface in the surface water in the surface in the	ater in pit: (in.) Depth to saturated soil:
Depth of surface water: (in.) Depth to free water   (in.) Depth to free water	ater in pit:
Depth of surface water: (in.) Depth to free water in the surface water: (in.) Depth to free water in the surface in the surface water in the surface in the	ater in pit: (in.) Depth to saturated soil:
Depth of surface water: (in.) Depth to free water in the surface water: (in.) Depth to free water in the surface in the surface water in the surface in the	ater in pit:
Depth of surface water: (in.) Depth to free water in the surface water: (in.) Depth to free water in the surface in the surfa	ater in pit:
Depth of surface water:	ater in pit:
Depth of surface water:	ater in pit: (in ) Depth to saturated soil:
Depth of surface water:	ater in pit: (in ) Depth to saturated soil:

<i>'</i> ,	10	Relative Cover  2/. 0  26. 3  15. 8  10. 5  26. 3	COVER: Vegetation Bare Ground Rocks Other TOTAL =	75
, ,				
Species (Descending Order)  Lol Mul  Des Jan	Relative Cover 26. 3 26.3	Cumulative Cover 26. 3 52. 6	Indicator Status	<u>Dominants</u>
				-
ALCOHOL MANAGEMENT AND THE PARTY OF THE PART				

Project/Site: Brown (attle Company	_
Applicant/Owner: River - West	
County: Yuka State: Ca	Plant Community: Ongual Grassland
Quad(s): When Hand	Section/Township/Range: UNSOC, TIYN, RSE
Do normal environmental conditions exist site? Yes ■ No □ If	no, explain:
Atypical Situation? Yes 🚨 No 🖶 Explain:	
Is this a potential Problem Area? Yes 🗖 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes □ N
Dominant Species Ind. Status Stratum Rel. % Cover	
	5)
/	
	6)
	7)
	8)
Percentage of dominant species that are OBL, FACW, and/or FA	.C [excluding FAC-]:
Comments:	
YDROLOGY	WETLAND HYDROLOGY? Yes O N
Recorded Data: Yes ☐ No ■ If yes,	
Recorded Data: Yes ☐ No ☐ If yes,	
Depth of surface water: (in ) Depth to free wate	or in pit: (in ) Depth to saturated soil: (in )
Depth of surface water: (in ) Depth to free water.  *Primary Indicators: ** Inundated ** Saturated in Upper 12 in ** Compared to the com	
Depth of surface water: (in ) Depth to free wate  *Primary Indicators: Inundated In Saturated in Upper 12 in Inundated Indicators (2 or more required):	r in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in W
Depth of surface water: (in ) Depth to free wate  Primary Indicators:  Inundated  Saturated in Upper 12 in  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  Water-stained Lea	r in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Depth of surface water: (in ) Depth to free water Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 in ☐ Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 in ☐ Water-stained Lea Comments:	r in pit: (in ) Depth to saturated soil: (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Soil Survey Data □ FAC-Neutral Test □ Other
Depth of surface water: (in ) Depth to free water  Primary Indicators: Inundated In Saturated in Upper 12 in In Secondary Indicators (2 or more required):  Disconding Root Channels in Upper 12 in In Water-stained Lea Comments:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Local Soil Survey Data FAC-Neutral Test Other  HYDRIC SOILS? Yes N
Depth of surface water: (in ) Depth to free wate  Primary Indicators: □ Inundated □ Saturated in Upper 12 in □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained Lea  Comments: No lo re 2º indicato  OILS  Series/Phase: Redding gravelly lo	water Marks Drift Lines Depth to saturated soil: 76 (in)  Water Marks Drift Lines Deposits Drainage Patterns in Water Marks Droit Lines Deposits Drainage Patterns in Water Marks Deposits Drainage Patterns in Water Marks Deposits Deposits Drainage Patterns in Water Marks Deposits Deposits Drainage Patterns in Water Marks Deposits Depos
Depth of surface water:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines FAC-Neutral Test Other  Local Soil Survey Data FAC-Neutral Test Other  HYDRIC SOILS? Yes Marks Drainage Class: Well drain Description of Section 18 18 18 18 18 18 18 18 18 18 18 18 18
Depth of surface water: (in ) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained Lea  Comments: 2	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drope Data FAC-Neutral Test Other  HYDRIC SOILS? Yes Drainage Class: Well drain Description of Sediment Deposits Drainage Class: Well drain Description Reducing Conditions Gleyed/Low Chroma Colors Confirm Map Type: Yes Drainage Class: C
Depth of surface water: (in ) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained Lea  Comments: 1/0	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Soil Survey Data FAC-Neutral Test Other HYDRIC SOILS? Yes Market Market Soils Soils Sediment Deposits Drainage Patterns in Water Sediment Deposits Dra
Depth of surface water: (in ) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained Lea  Comments:	Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Solls Solls Ves Drainage Patterns in Water Solls Solls Drainage Pat
Depth of surface water: (in ) Depth to free water  Primary Indicators: □ Inundated □ Saturated in Upper 12 in □  Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 in □ Water-stained Lea  Comments:	Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines FAC-Neutral Test Other  HYDRIC SOILS? Yes Marks Drainage Class: Well Arabete Confirm Map Type: Yes No Sture Regime Reducing Conditions Gleyed/Low Chroma Colors Configure Streaking in Sandy Soils Listed on Hydric Soils List: Yes Marks Other On Hydric Soils List: Yes Marks Mottle (Abund/Contrast/Size)  Texture, Concretions, Structure
Depth of surface water:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Soils Soils Vest Note Drainage Class: Well Acade Drain
Depth of surface water:	Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines FAC-Neutral Test Other  HYDRIC SOILS? Yes Marks Drainage Class: Well Arabete Confirm Map Type: Yes No Sture Regime Reducing Conditions Gleyed/Low Chroma Colors Configure Streaking in Sandy Soils Listed on Hydric Soils List: Yes Marks Other On Hydric Soils List: Yes Marks Mottle (Abund/Contrast/Size)  Texture, Concretions, Structure
Depth of surface water:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Soils Soils Vest Note Drainage Class: Well Acade Drain
Depth of surface water:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Soils Soils Vest Note Drainage Class: Well Acade Drain
Depth of surface water:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Soils Soils Vest Note Drainage Class: Well Acade Drain
Depth of surface water:	water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Soils Soils Vest Note Drainage Class: Well Acade Drain
Depth of surface water:	wes a Local Soil Survey Data a FAC-Neutral Test of Other    Description   FAC-Neutral Test of Other

Species Observed  Bro hor  Tae cop  Tri hir  Hem pan  Ave fot  Leo tar	Actual Cover  25  35  15  15  10  25	Relative Cover  20 28 12 12 20 8 20	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ) =  Species (Descending Order)	Relative Cover	100%  Cumulative Cover	Indicator Status De	ominants
Tae Cap BIS hoc	28 20	28 48		
Leo tar	20	68		

# ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Applicant/Owner: River - We	57	Field Investigator(s):	5. Ro	ner-	
County: Yuha			annua!	Grasslan	20/
Quad(s): Wheatland		Section/Township/Rar	ige: (1115.	OC TIYA	1. RSE
Do normal environmental conditions exist				,	<i>F</i>
Atypical Situation? Yes 🚨 No 🖛 Expla					
Is this a potential Problem Area? Yes					
EGETATION		to Williams and Wi	HANDUDA	YTIC VEGETA	CION2 Var 🖷 )
	Start D.1 8/ C				
Dominant Species Ind. Status	Stratum Rel. % Cover	Dominant Species	Ind. Status	Stratum Rel.	
1) Des dan Facus					
2) Fry Vas Facw					
3) Nav len Obl _	<u>H 33.3</u>	7)			www.markey.com/dept/04/Ph
4)		8)			
Percentage of dominant species that are O	BL, FACW, and/or FAC	[excluding FAC-]:3/	/ <sub>3</sub> = ,	100 %	
Comments:		,	~		
YDROLOGY —			WETL.	AND HYDROLO	OGY? Yes 🗷 1
Recorded Data: Yes 🖸 No 🛢 If yes,	*				
					) 8 (in.)
Depth of surface water:(in	n.) Depth to free water i	n pit: (in	) Depth to sat	urated soil:	
Depth of surface water: (in Primary Indicators: \bigcup Inundated \bigcup Satu	n.) Depth to free water i	n pit: (in	) Depth to sat	urated soil:	
Depth of surface water: (in Primary Indicators: \( \mathbb{D} \) Inundated \( \mathbb{D} \) Satu Secondary Indicators (2 or more required)	n.) Depth to free water in the rated in Upper 12 in the difference of the difference	n pit: (in. Water Marks 🚨 Drift Lin	) Depth to sat	urated soil: Deposits <b>\bi</b> Drain	nage Patterns in \
Depth of surface water: (in Primary Indicators: Inundated Satu Secondary Indicators (2 or more required Oxidized Root Channels in Upper 12 in In Channels in Upper 12 in Channels in Channels in	n.) Depth to free water in rated in Upper 12 in (12) d):  1. U Water-stained Leave	n pit: (in. Water Marks Drift Lines Local Soil Survey D	) Depth to sat	urated soil: Deposits <b>\bi</b> Drain	nage Patterns in \
Depth of surface water:	n.) Depth to free water in rated in Upper 12 in (12) d):  1. U Water-stained Leave	n pit: (in. Water Marks Drift Lines Local Soil Survey D	) Depth to sat	nurated soil:	nage Patterns in \
Depth of surface water: (in Primary Indicators: Inundated Satu Secondary Indicators (2 or more required Oxidized Root Channels in Upper 12 in Comments: DILS	n.) Depth to free water in rated in Upper 12 in	n pit: (in. Water Marks	) Depth to sat es □ Sediment ata □ FAC-Ne	Deposits Drain  Deposits Othe	nage Patterns in \ or hoof pri OILS? Yes
Depth of surface water: (in Primary Indicators: Inundated Satu Secondary Indicators (2 or more required Oxidized Root Channels in Upper 12 in Comments: DILS	n.) Depth to free water in rated in Upper 12 in	n pit: (in. Water Marks	) Depth to sat es □ Sediment ata □ FAC-Ne	Deposits Drain  Deposits Othe	nage Patterns in \ or hoof pri OILS? Yes
Depth of surface water:	n.) Depth to free water is rated in Upper 12 in 12 in 13 in 13 in 13 in 14 in 15 in	n pit:(in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment ata FAC-Ne	Deposits Drain  Deposits Drain  HYDRIC So  Drainage Class:  Confirm Map Ty	onage Patterns in No.
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment ata FAC-Ne	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro	DILS? Yes 10 10 10 10 10 10 10 10 10 10 10 10 10
Depth of surface water:	Depth to free water in rated in Upper 12 in Sandy Soils 12 Organization 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lie	OILS? Yes Die: Yes Doors Coost Other
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions Conditions	Deposits Drain  Deposits Drain  Utral Test Other  HYDRIC Set  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  In Hydric Soils Lit  On Hydric Soi	DILS? Yes 10 10 10 10 10 10 10 10 10 10 10 10 10
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions	Deposits Drain  Deposits Drain  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lie  On Hydric Soi	OILS? Yes OILS? Yes OILS? Yes OILS? Yes OILS? OILS? Yes OILS? OILS? OILS? OILS? OILS OILS OILS OILS OILS OILS OILS OILS
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lis  On Hydric Soi  ze) Texture, Co  Sardy	DILS? Yes 10 10 10 10 10 10 10 10 10 10 10 10 10
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lis  On Hydric Soi  ze) Texture, Co  Sardy	OILS? Yes OILS? Yes OILS? Yes OILS? Yes OILS? OILS? Yes OILS? OILS? OILS? OILS? OILS OILS OILS OILS OILS OILS OILS OILS
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lis  On Hydric Soi  ze) Texture, Co  Sardy	OILS? Yes OILS? Yes OILS? Yes OILS? Yes OILS? OILS? Yes OILS? OILS? OILS? OILS? OILS OILS OILS OILS OILS OILS OILS OILS
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks   Drift Lines   Local Soil Survey D	Depth to sate Sediment  ata FAC-Ne  FAC-Ne  Conditions	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lis  On Hydric Soi  ze) Texture, Co  Sardy	OILS? Yes OILS? Yes OILS? Yes OILS? Yes OILS? OILS? Yes OILS? OILS? OILS? OILS? OILS OILS OILS OILS OILS OILS OILS OILS
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit:(in. Water Marks □ Drift Lines □ Local Soil Survey D  3-8 / Slop  Duri Xero  re Regime □ Reducing ( nic Streaking in Sandy So	Depth to sate Sediment  ata FAC-Ne  PES  Conditions Contrast/Signature	Deposits Drain  Deposits Drain  Utral Test Other  HYDRIC Set  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  In Hydric Soils Lit  On Hydric Soi  Ze) Texture (  Sandy	DILS? Yes 10 DILS?
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 in 13 in 13 in 13 in 14 in 15 in Sandy Soils 12 Organistic Sylventry 16 in Sandy Soils 12 Organistic Sylventry 16 in Sandy Soils 13 in Sandy Soils 14 in Sandy Soils 15 in Sandy Soils 16 in Sandy Soils 16 in Sandy Soils 17 in Sandy Soils 17 in Sandy Soils 17 in Sandy Soils 18 in Sandy Soils 16 in Sandy Soils 17 in Sandy Soils 17 in Sandy Soils 18 in Sandy Soil	n pit: (in. Water Marks □ Drift Lines □ Local Soil Survey D  3-8 /. 3/0  Duri Xera  re Regime □ Reducing (in. Streaking in Sandy Soil Streaking in Sandy Soil Survey D  WETLA	Depth to sate Sediment  ata FAC-Ne  PES  Conditions Contrast/Signature	Deposits Drain  Deposits Drain  Utral Test Othe  HYDRIC So  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  n Hydric Soils Lis  On Hydric Soi  ze) Texture, Co  Sardy	DILS? Yes 10 DILS?
Depth of surface water:	Depth to free water in rated in Upper 12 in 12 i	n pit: (in. Water Marks □ Drift Lines □ Local Soil Survey D  3-8 /. 3/0  Duri Xera  re Regime □ Reducing (in. Streaking in Sandy Soil Streaking in Sandy Soil Survey D  WETLA	Depth to sate Sediment  ata FAC-Ne  PES  Conditions Contrast/Signature	Deposits Drain  Deposits Drain  Utral Test Other  HYDRIC Set  Drainage Class:  Confirm Map Ty  Gleyed/Low Chro  In Hydric Soils Lit  On Hydric Soi  Ze) Texture (  Sandy	DILS? Yes 10 DILS?

			5P16	
HERBACEOUS (	COVER	/	DOMINANCE WORK SH	EFT

Species Observed  Des dam  Ery Vas  Nav /eu	35	333	COVER: Vegetation Bare Ground Rocks Other TOTAL =	
TOTAL SUM (Σ)  Species (Descending Order)  Des dans	Relative Cover	100%  Cumulative Cover  3.3.3	Indicator Status	<u>Dominants</u>
/	<u>33.3</u> <u>33.3</u>	100		
			NATIONAL PROPERTY OF THE PROPE	
		Particular Constitution of the Constitution of		
				W
		AND THE RESIDENCE OF THE PARTY		***************************************

Project/Site: Brown Cattle Compun	<b>,</b>
Applicant/Owner: River - West	
County: Yuha State: Ca	Plant Community: Annual Grass land
Quad(s): When Hand	Section/Township/Range: UNSPC, TIAN, RSE
Do normal environmental conditions exist site? Yes No	☐ If no, explain:
Atypical Situation? Yes 🗖 No 🛎 Explain:	
Is this a potential Problem Area? Yes 🗖 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes ■ N
Dominant Species Ind. Status Stratum Rel. %	Cover Dominant Species Ind. Status Stratum Rel. % Cover
1) Bro hor Facu - H -	45 s)
•	20 6)
•	
3)	
4)	
Percentage of dominant species that are OBL, FACW, and/	or FAC [excluding FAC-]: 1/2 = 50 %
Comments:	
TYDROLOGY	
(IDROLOGI	WETLAND HYDROLOGY? Yes □ N
	WEILAND BIDROLOGY: 165 Q IV
Recorded Data: Yes 🗖 No 📮 If yes,	WEILARD BIDROLOGY: 125 C N
Recorded Data: Yes No lf yes,	e water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes No le If yes,	WEILARD BIDROLOGY: 125 C N
Recorded Data: Yes No left yes,	e water in pit: (in ) Depth to saturated soil: (in )  2 in
Recorded Data: Yes \( \text{No} \) If yes,  Depth of surface water: (in.) Depth to free  Primary Indicators: \( \text{Inundated} \) Inundated \( \text{Saturated} \) Saturated in Upper 12  Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{In Water-stained} \)	e water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes No If yes,	e water in pit: (in ) Depth to saturated soil: 6 (in )  2 in
Recorded Data: Yes No If yes,	e water in pit: (in ) Depth to saturated soil: / 6 (in )  2 in. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Weed Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes No If yes,	e water in pit: (in ) Depth to saturated soil: / 6 (in )  2 in. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Weed Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other   HYDRIC SOILS? Yes □ Notes = 1 / 100 m 3 - 8 / 1
Recorded Data: Yes No If yes,	e water in pit: (in ) Depth to saturated soil: / 6 (in )  2 in. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Weed Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes No lif yes,	e water in pit: (in ) Depth to saturated soil: / 6 (in )  2 in. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Weed Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other   HYDRIC SOILS? Yes □ Notes = 1 / 100 m 3 - 8 / 1
Recorded Data: Yes \( \text{No} \) If yes,	e water in pit: (in ) Depth to saturated soil: 6 (in )  2 in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drainage Patterns in Water Drainage Patterns in Water Marks
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in.} \) Water-stained Comments: \( \text{No} \) \( \text{Port.} \) \( \text{OT.} \) \( OT	e water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) Secondary Indicators (2 or more required): \( \text{D Oxidized Root Channels in Upper 12 in \( \text{D Water-stained} \) Comments: \( \text{No} \) \( \tex	e water in pit: (in ) Depth to saturated soil:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{D Water-stained} \) Comments: \( \text{No} \) \(	e water in pit:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{D Water-stained} \) Comments: \( \text{No} \) \(	e water in pit:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{D Water-stained} \) Comments: \( \text{No} \) \(	e water in pit: (in ) Depth to saturated soil: Z (in )  2 in. □ Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water According to Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{D Water-stained} \) Comments: \( \text{No} \) \(	e water in pit:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{Saturated in Upper 12} \) \( Secondary Indicators (2 or more required): \( \text{Oxidized Root Channels in Upper 12 in } \text{O Water-staine Comments:} \( \text{No} \) \( \text{No}	e water in pit:
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{D Saturated in Upper 12} \) \( Secondary Indicators (2 or more required): \) Oxidized Root Channels in Upper 12 in \( \text{D Water-stained} \) Water-stained Comments: \( \text{No} \) \( \text{No} \	e water in pit: (in ) Depth to saturated soil: Z (in )  2 in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks
Recorded Data: Yes \( \text{No} \) If yes, \( \text{Depth of surface water:} \) (in.) Depth to free \( \text{Primary Indicators:} \) Inundated \( \text{Saturated in Upper 12} \) \( Secondary Indicators (2 or more required): \( \text{Oxidized Root Channels in Upper 12 in } \text{O Water-staine Comments:} \( \text{No} \) \( \text{No}	e water in pit:

		Relative Cover  45  15  20  5  15	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ)  Species (Descending Order)	Relative Cover	100%  Cumulative Cover	Indicator Status	<u>Dominants</u>
Bro hor Hem puro	-	45		
Tem fun	20	65		
•	400444111444114441144411444114444444444	***************************************		
			The state of the s	***
			and the second s	
	- And Andrews -		A-ARAMANA AMPANENTANTINANTINANTINANTINANTINANTINANTIN	
		The state of the s		
	-		**************************************	
ALLEGO AND			And the state of t	
s and the second				

Project/Site: Brown Cattle Company	Date: 6/.30/03 Sample Point: 6
Applicant/Owner: River - West	Field Investigator(s): 5. Roper
	Plant Community: Onnual Grassland
Quad(s): Wheatland	Section/Township/Range: UNSEC, TINN, RSE
	f no, explain:
Atypical Situation? Yes 🗖 No 🟶 Explain:	
Is this a potential Problem Area? Yes 🗖 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes a No
Dominant Species Ind. Status Stratum Rel. % Cover	
. 1	5)
	7)
•	8)
Percentage of dominant species that are OBL, FACW, and/or FA	AC [excluding FAC-]: $\frac{1}{2}$ = $\frac{100}{2}$ %
Comments:	
YDROLOGY	WETLAND HYDROLOGY? Yes No
YDROLOGY  Recorded Data: Yes □ No ■ If yes,  Call Data for the formula of the fo	
Recorded Data: Yes D No lif yes,	er in pit:(in ) Depth to saturated soil:(in )
Recorded Data: Yes D No If yes,	
Recorded Data: Yes  No  If yes,	er in pit:(in ) Depth to saturated soil:(in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in We
Recorded Data: Yes \(\sigma\) No \(\mathbb{\mathbb{A}}\) If yes,	er in pit:(in ) Depth to saturated soil:(in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in We  eaves Deposite Other
Recorded Data: Yes \(\textsize{\text	er in pit:(in ) Depth to saturated soil:(in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in We
Recorded Data: Yes \(\text{ No } \) If yes,	er in pit:(in ) Depth to saturated soil:(in )  Water Marks Drift Lines Sediment Deposits Drainage Patterns in We eaves Local Soil Survey Data FAC-Neutral Test Other
Recorded Data: Yes \( \text{No } \) If yes,	er in pit:(in ) Depth to saturated soil:(in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in We eaves   Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No } \) No \( \text{If yes,} \)  Depth of surface water: \( \text{Y} \) (in ) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{D} \) Saturated in Upper 12 in \( \text{Secondary Indicators (2 or more required):} \)  Oxidized Root Channels in Upper 12 in \( \text{D} \) Water-stained Let \( \text{Comments:} \( \text{Indicators } \) Indicator \( \text{Comments:} \)  Oills  Series/Phase: \( \text{Redding gravelly} \)  Taxonomy [Subgroup]: \( \text{Thermic About } \)	er in pit:(in) Depth to saturated soil:(in.)  Water Marks Drift Lines Sediment Deposits Drainage Patterns in We haves Local Soil Survey Data FAC-Neutral Test Other
Recorded Data: Yes \( \text{No } \) If yes,	er in pit:
Recorded Data: Yes \( \text{No } \) No \( \text{If yes,} \)  Depth of surface water: \( \text{Y} \) (in ) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Letter} \)  Comments: \( \text{Indicators } \) Indicator \( \text{Soliton } \)  Series/Phase: \( \text{Redding gravelly} \)  Taxonomy [Subgroup]: \( \text{Thermic About } \)  Histosol \( \text{U Histic Epipedon } \text{U Suffdic Odor } \text{U Aquic Mois} \)  High Organic Content in Surface Layer in Sandy Soils \( \text{U Organic Prime Surface Layer in Sandy Soils } \)	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{y (in ) Depth to free water.} \)  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{ Water-stained Least Comments: } \) \( \text{Indicator } \) \( \text{Indicator } \)  Comments: \( \text{Indicator } \) \( \text{Indicator } \) \( \text{Indicator } \)  Series/Phase: \( \text{Redicator } \) \( \text{Indicator } \) \( \text{Indicator } \) \( \text{Indicator } \) \( \text{Indicator } \)  Histosol \( \text{U Histic Epipedon } \) \( \text{Suffdic Odor } \) \( \text{Aquic Mois } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{U Organic Series/Phase} \):	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{y (in ) Depth to free water.} \)  Primary Indicators: \( \text{Inundated } \text{Daturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{D Water-stained Lett.} \)  Comments: \( \text{Indicator} \) \( \text{Indicator} \) \( \text{Ob Jo} \)  OILS  Series/Phase: \( \text{Roding gravelly } \)  Taxonomy [Subgroup]: \( \text{Taxonomy } \) \( \text{Phase: } \)  Histosol \( \text{D Histic Epipedon } \text{D Sufidic Odor } \text{D Aquic Mois } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{D Or Inclusions [Series/Phase]: } \)  Depth (in.) \( \text{Horizon Matrix Color } \)	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{(in)} \) Depth to free water. \( \text{Primary Indicators: } \) Inundated \( \text{Daturated in Upper 12 in } \) \( \text{Secondary Indicators (2 or more required): } \) Oxidized Root Channels in Upper 12 in \( \text{D Water-stained Lease Comments: } \) \( \text{Indicators (2 or more required): } \) Water-stained Lease Comments: \( \text{Indicators (2 or more required): } \) OXILS  Series/Phase: \( \text{Indicators (2 or more required): } \) \( \text{Indicators (2 or more required): } \) \( Value of the first of t	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{y (in ) Depth to free water.} \)  Primary Indicators: \( \text{Inundated } \text{Daturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{D Water-stained Lett.} \)  Comments: \( \text{Indicator} \) \( \text{Indicator} \) \( \text{Ob Jo} \)  OILS  Series/Phase: \( \text{Roding gravelly } \)  Taxonomy [Subgroup]: \( \text{Taxonomy } \) \( \text{Phase: } \)  Histosol \( \text{D Histic Epipedon } \text{D Sufidic Odor } \text{D Aquic Mois } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{D Or Inclusions [Series/Phase]: } \)  Depth (in.) \( \text{Horizon Matrix Color } \)	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{y (in ) Depth to free water.} \)  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{ Water-stained Least Comments: } \) \( \text{Indicators } \) \( \text{Indicators } \) \( Ob. Jo.	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{Y (in ) Depth to free water.} \)  Primary Indicators: \( \text{Inundated } \text{Daturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in. \( \text{Water-stained Let.} \)  Comments: \( \text{Indicators } \) Indicator \( Above	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{y (in ) Depth to free water.} \)  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{ Water-stained Lett.} \)  Comments: \( \text{Jodicator} \) On \( \text{Jodicator} \)  Series/Phase: \( \text{Rodicator} \) On \( \text{Jodicator} \)  A support \( \text{Jodicator} \)  Histosol \( \text{U Histic Epipedon } \text{U Sufidic Odor } \text{U Aquic Mois } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{U Organic Ontent in Surface Layer in Sandy Soils } \( \text{U Organic Addition of Sufficion Matrix Color Matrix Color Matrix Soils } \)  Bottom \( \text{Jodicator} \)  Comments: \( \text{Long Addition of Matrix Color Matrix Soils } \)  Comments: \( \text{Comments: } \)	er in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) \( \text{y } \) (in ) Depth to free water \( \text{Primary Indicators: } \) Inundated \( \text{D Saturated in Upper 12 in } \) \( \text{Secondary Indicators (2 or more required): } \) \( \text{D Oxidized Root Channels in Upper 12 in } \) Water-stained Let \( \text{Comments: } \) \( \text{Indicators } \) \( \text{Indicators } \) \( \text{Indicators } \) \( \text{On } \) \( \text{Indicators } \) \( Indicato	er in pit:

. /	Actual Cover 60 20	23.5	COVER: Vegetation Bare Ground Rocks Other TOTAL =	85 
TOTAL SUM (Σ)	= 85	100%		
Species (Descending Order)  Ele 5 pe.	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
	CAN COLOR TO THE C			umbatminanumiariantikan kananan kanana
-			***************************************	

# ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Cattle Company Applicant/Owner: River - West	
	Plant Community: angual Grassland
	Section/Township/Range: Unsec TIAN, RSE
•	
	If no, explain:
,	F
GETATION	HYDROPHYTIC VEGETATION? Yes N
Dominant Species Ind. Status Stratum Rel. % Co-	
1) Bro hor Facu H 40.	<b>7</b> 5)
2) Lat mul Fact H 27.3	3_ 6)
3)	7)
4)	
Comments:	
/DROLOGY	WETLAND HYDROLOGY? Yes □ N
Recorded Data: Yes D No lf yes, (in.) Depth to free w	
Recorded Data: Yes \(\sigma\) No \(\mathbb{\text{lf yes}}\) [in.) Depth to free w. Primary Indicators: \(\sigma\) Inundated \(\sigma\) Saturated in Upper 12 in Secondary Indicators (2 or more required):  \(\sigma\) Oxidized Root Channels in Upper 12 in \(\sigma\) Water-stained I	ater in pit: (in.) Depth to saturated soil: (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \(\sigma\) No \(\mathbb{\text{lf yes}}\) [in.) Depth to free w. Primary Indicators: \(\sigma\) Inundated \(\sigma\) Saturated in Upper 12 in Secondary Indicators (2 or more required):  \(\sigma\) Oxidized Root Channels in Upper 12 in \(\sigma\) Water-stained I	ater in pit: (in ) Depth to saturated soil: (in ) U Water Marks U Drift Lines U Sediment Deposits U Drainage Patterns in W
Recorded Data: Yes \(\sigma\) No \(\mathbb{E}\) If yes, \(\sigma\) Depth to free w. Primary Indicators: \(\sigma\) Inundated \(\mathbb{D}\) Saturated in Upper 12 in Secondary Indicators (2 or more required):  \(\sigma\) Oxidized Root Channels in Upper 12 in \(\mathbb{D}\) Water-stained I Comments: \(\lambda\) \(\sigma\) \(\sigma	ater in pit: (in.) Depth to saturated soil: / (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  ### HYDRIC SOILS? Yes □ N
Recorded Data: Yes \(\sigma\) No \(\mathbb{E}\) If yes, \(\sigma\) Depth to free w. Primary Indicators: \(\sigma\) Inundated \(\mathbb{D}\) Saturated in Upper 12 in Secondary Indicators (2 or more required):  \(\sigma\) Oxidized Root Channels in Upper 12 in \(\mathbb{D}\) Water-stained I Comments: \(\lambda\) \(\sigma\) \(\sigma	ater in pit: (in.) Depth to saturated soil: / (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  ### HYDRIC SOILS? Yes □ N
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we remark Indicators: \( \text{Depth of surface water: } \) Inundated \( \text{Depth Saturated in Upper 12 in } \) Secondary Indicators (2 or more required): \( \text{Decondary Indicators (2 or more required): } \) Oxidized Root Channels in Upper 12 in \( \text{Depth Water-stained In Comments: } \( \text{No } \) (2 \) ox \( \text{20 indicators (2 or more required): } \)  Comments: \( \text{No } \) (2 \) ox \( \text{20 indicators (2 or more required): } \)  Series/Phase: \( \text{Ledding } \) \( \text{gray Velly loop (2 or more required): } \)  Taxonomy [Subgroup]: \( \text{Tayonomic About Taxonomy (2 or more required): } \)	ater in pit: (in ) Depth to saturated soil: / O (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  ### HYDRIC SOILS? Yes □ N  ##################################
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) In undated \( \text{Saturated in Upper 12 in } \)  Secondary Indicators: \( \text{In number nor required} \): \( \text{Oxidized Root Channels in Upper 12 in } \text{U Water-stained I Comments: } \( \text{No } \) \( \text{Ox} \) \( \text	ater in pit: (in.) Depth to saturated soil: / (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Water Marks □ Drift Lines □ FAC-Neutral Test □ Other   A FOIS OBSEIVED.  HYDRIC SOILS? Yes □ No □ Output
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) In undated \( \text{Saturated in Upper 12 in } \)  Secondary Indicators: \( \text{In number nor required} \): \( \text{Oxidized Root Channels in Upper 12 in } \text{U Water-stained I Comments: } \( \text{No } \) \( \text{Ox} \) \( \text	ater in pit: (in ) Depth to saturated soil: / O (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other  ### HYDRIC SOILS? Yes □ N  ##################################
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we remark Indicators: \( \text{Depth of surface water: } \) Inundated \( \text{Depth Saturated in Upper 12 in } \) Secondary Indicators (2 or more required): \( \text{Oxidized Root Channels in Upper 12 in } \text{Dwater-stained I Comments: } \( \text{No } \) (2 \) or \( \text{No } \) (2 \) or \( \text{No } \) (3 \) (2 \) (3 \) (3 \) (3 \) (4 \) (5 \) (5 \) (5 \) (5 \) (6 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (7 \) (8 \) (9 \) (	ater in pit: (in ) Depth to saturated soil: / (in )    Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Other
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) Inundated \( \text{Saturated in Upper 12 in } \)  Secondary Indicators: \( \text{Inundated } \text{Inundated in Upper 12 in } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained I } \)  Comments: \( \text{No } \) \( \text{No } \) \( \text{No } \)  OILS  Series/Phase: \( \text{Ledding } \) \( \text{Gat Velly } \) \( \text{Local Taxonomy [Subgroup]: } \) \( \text{Inundated } \)  Histosol \( \text{U Histic Epipedon } \text{U Suffidic Odor } \text{U Aquic M } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{U (Inclusions [Series/Phase]: } \)	ater in pit: (in ) Depth to saturated soil: / (in )    Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Water Marks   Drainage Patterns   Drainage Patt
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) Inundated \( \text{Depth of surface water: } \) Inundated \( \text{Depth Saturated in Upper 12 in } \) Oxidized Root Channels in Upper 12 in \( \text{Depth water-stained I Comments: } \( \text{No } \) \( \text{10 } \) \( \text{00 } \) \( \text{10 } \) \( 10	ater in pit: (in ) Depth to saturated soil: / O (in )  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) Inundated \( \text{Depth of surface water: } \) Inundated \( \text{Depth Saturated in Upper 12 in } \) Oxidized Root Channels in Upper 12 in \( \text{Depth water-stained I Comments: } \( \text{No } \) \( \text{10 } \) \( \text{00 } \) \( \text{10 } \) \( 10	ater in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we remark Indicators: \( \text{Depth of surface water: } \) Inundated \( \text{Depth saturated in Upper 12 in } \) Oxidized Root Channels in Upper 12 in \( \text{Depth water-stained In Comments: } \( \text{No } \) (2 \) or \( \text{No } \) (2 \) (and \( \text{No } \) (but \( \text{Depth of Series/Phase: } \) Lesson \( \text{Depth of Subgroup} \): \( \text{Depth of Subgroup}	ater in pit:

TIEDA L ARAUA		a managaring a salah	
HERRACEOUS	COVER	/ DOMINANCE WORK	SHEET

	30 23 45 5	27.3 18.2 40.9 4.5	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM $(\Sigma)$ =		100%		
Species (Descending Order)  Bla har	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
Lot mul	27.3	<u>68.2</u>		
			And the second s	NA MATERIAL
			4 am and an	•

County: Ye that State: Ca Plant Community: Qualital Glass Section of County: Ye to State: Ca Plant Community: Qualital Glass Section of County: West Constitution of the State State: Yes No   If no, explain: Atypical Situation? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this a potential Problem Area? Yes   No   Explain: Is this appoint Area? Yes   No   Explain: Is this appoint Area? Yes   No   Explain: Is this appoint Area? Is the Area? Yes   No   If yes, Is this appoint Area? Is the Area? Yes   No   If yes, Is the Area? Yes   No   If	Project/Site: Brown Cattle Compan Applicant/Owner: River - West	
Quad(s): Whee Hand   Section/Township/Range: ULLSEC, TYN, RSE   Do normal environmental conditions exist site? Yes \ No \ If no, explain: Applical Situation? Yes \ No \ Explain: Is this a potential Problem Area? Yes \ No \ Explain: Is this a potential Problem Area? Yes \ No \ Explain:  GEFTATION   HYDROPHYTIC VEGETATION? Yes \ EXPlain:  GEFTATION   HYDROPHYTIC VEGETATION? Yes \ Deminant Species Ind. Status Stratum Rel. % Cover    1) Lol Mul. Fac. H. 3B. B. 5)  2) Fey Vas Fac W. H. 22.2 6)  3) Dig. Sam. Fac W. H. 22.2 7)  4) 8)  Percentage of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: \( \frac{7}{3} = \) 66 %  Comments:  VDROLOGY   WETLAND HYDROLOGY? Yes \ Accorded Data: Yes \ No \ Bif yes, Depth of surface water: \( \text{(in)} \) Depth to free water in pit: \( \text{(in)} \) Depth to saturated soil: \( \frac{7}{3} \) 8 (in)  Primary Indicators: \( \text{Unudated} \) 3 Saturated in Upper 12 in \( \text{Water Marks} \) Drift Lines \( \text{B} \) Sediment Deposits \( \text{B} \) Drainage Patterns in Secondary Indicators: \( \text{Unudated} \) 10 Saturated in Upper 12 in \( \text{Water Marks} \) Drift Lines \( \text{B} \) Sediment Deposits \( \text{B} \) Drainage Patterns in Secondary Indicators: \( \text{Unudated} \) 10 Saturated in Upper 12 in \( \text{Water Marks} \) Drift Lines \( \text{B} \) Sediment Deposits \( \text{B} \) Drainage Patterns in Secondary Indicators: \( \text{Unudated} \) 10 Saturated in Upper 12 in \( \text{Water Marks} \) Drift Lines \( \text{B} \) Sediment Deposits \( \text{B} \) Drainage Class: \( \text{Unudated} \) 10 Saturated in Upper 12 in \( \text{Unudated} \) Water Saturated in Upper 12 in \( \text{Unudated} \) Notice Solution \( \text{Drain} \) Fac Neutral Test \( \text{Drift Currents} \) 10 Sectional Primary Indicators: \( \text{Unudated} \) 10 Saturated \( \text{Unudated} \) 10 Saturate		
Do normal environmental conditions exist site? Yes No O If no, explain:  Applead Situation? Yes O No Explain:  Is this a potential Problem Area? Yes O No Explain:  GETATION  Dominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Status Stratum Rel. % Cover I Dominant Species Ind. Martin Status I Dominant Species Ind. Status Status I Dominant Species Ind. Status I Dominant Species Ind. Status I Dominant Species Ind. Martin Status I Dominant Species Ind. Status I Dominant Species Ind. Status I Dominant Species Ind. Status I Dominant Species I	•	
Arypical Situation? Yes \( \) No \( \begin{array}{c c c c c c c c c c c c c c c c c c c		, ,
Striks a potential Problem Area? Yes		
Deminant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. Status Statu		
Dominant Species Ind. Status Stratum Rel. % Cover Dominant Species Ind. Status Stratum Rel. % Cover Ind. Status Stat	to this a potential i robiem Area: Tes tal 140 • Explain.	
	EGETATION	HYDROPHYTIC VEGETATION? Yes ■
2) Fey Vas Focus H 22.2 6)  3) Dig sam Facus H 22.2 7)  4)	Dominant Species Ind. Status Stratum Rel. %	Cover Dominant Species Ind. Status Stratum Rel. % Cover
3) Dig San Facu H 22.2 7) 4)	1) Lof mul Fac H 38	. 8 5)
3) Dig San Facu H 22.2 7) 4)	2) Ery Vas Facw H 20	<del>2, 2</del> 6
8)  Percentage of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]: 2/3 = 66%  Comments:  VDROLOGY WETLAND HYDROLOGY? Yes   Recorded Data: Yes \( \text{No } \text{ Mo } \text{ If yes, } \)  Depth of surface water: (in.) Depth to free water in pit: (in) Depth to saturated soil: 8 (in)  Primary Indicators: \( \text{Innundated } \text{ Saturated in Upper 12 in } \text{ Water Marks } \text{ Drift Lines } \text{ Sediment Deposits } \text{ Drainage Patterns in Secondary Indicators (2 or more required): \( \text{ Oxidized Root Channels in Upper 12 in } \text{ Water-stained Leaves } \text{ Local Soil Survey Data } \text{ FAC-Neutral Test } \text{ Other } \)  Comments: \( \text{ Pin d i a fois } \text{ Absence d.} \)  HYDRIC SOILS? Yes   Series/Phase: \( \text{ Redding } \text{ gas velly form } \text{ 3-8 i. Slope 5 } \)  Drainage Class: \( \text{ Wall } \text{ All Institute Durity et al. } \text{ 5 } \)  Hydric Soil List: \( \text{ Ves } \text{ On Hydric Soils List: } \text{ Other } \)  Histosol \( \text{ Histosol } \text{ Suffice Layer in Sandy Soils } \text{ Organic Streaking in Sandy Soils } \text{ Listed on Hydric Soils List: } \text{ Yes } \text{ Other } \)  Hordinal Records \( \text{ Phase} \): \( \text{ On Hydric Soils List: } \text{ Yes } \text{ Sandy clay } \\  Bothlam \( \text{ A fois } \text{ All Institute Color } \text{ Mottle Color } \text{ Mottle (Abund/Contrat/Size) } \text{ Texture, Concretions, Structory } \\  Bothlam \( \text{ A fois } \text{ All Institute Color } \text{ Mottle Color } \text{ Mottle (Abund/Contrat/Size) } \text{ Texture, Concretions, Structory } \\  Comments: \( \text{ Decision } \text{ Yes } \)	3) Dig san Facu H 20	7. 2 7)
Percentage of dominant species that are OBL, FACW, and/or FAC [excluding FAC-]:		
WETLAND HYDROLOGY? Yes   WETLAND WATERS DETERMINATION?		
WETLAND HYDROLOGY? Yes   Recorded Data: Yes   No   If yes,		
Recorded Data: Yes  No  fee  If yes,	Community.	
Recorded Data: Yes  \( \text{No } \end{aligned} \) No  \( \text{If yes,} \)  Depth of surface water:  \( \) (in.) Depth to free water in pit:  \( \) (in) Depth to saturated soil:  \( \text{ Z 8} \) (in)  Primary Indicators:  \( \text{Inundated } \) Saturated in Upper 12 in  \( \text{ Water Marks } \) Drift Lines  \( \text{S Sediment Deposits } \) Drainage Patterns in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in  \( \text{ Water-stained Leaves } \) Local Soil Survey Data  \( \text{ FAC-Neutral Test } \) Other  \( \text{ Comments: } \)  Comments:  \( \text{ In A i c a for s } \)  Oxidized Root Channels in Upper 12 in  \( \text{ Water-stained Leaves } \)  Discrete Local Soil Survey Data  \( \text{ FAC-Neutral Test } \) Other  \( \text{ Comments: } \)  OXID S  ENDALS  HYDRIC SOILS? Yes  \(  Park Soils So		
Depth of surface water:	mnor con	
Depth of surface water:	YDROLOGY	WETLAND HYDROLOGY? Yes 1
Primary Indicators:  Inundated  Saturated in Upper 12 in  Water Marks  Drift Lines  Sediment Deposits  Drainage Patterns in Secondary Indicators (2 or more required):    Oxidized Root Channels in Upper 12 in  Water-stained Leaves  Local Soil Survey Data  FAC-Neutral Test  Other		
Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Leaves Data Soil Survey Data FAC-Neutral Test Other  Comments: 1º 10 dicators observed.  HYDRIC SOILS? Yes Series/Phase: Leading gas velly loant 3-8/. 5/ges Drainage Class: Usl di Faconomy [Subgroup]: Thurmic Abrutic Dun'xera fs Confirm Map Type: Yes No Histosol Datic Epipedon Sufidic Odor Aquic Moisture Regime Reducing Conditions Gleyed/Low Chroma Colors Datic Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Strus Battanary Soil Pater Soil	Recorded Data: Yes 🗖 No 🝱 If yes,	
Comments: 1º 10 dicators abserved.    Comments: 1º 10 dicators abserved.   Comments: 1º 10 dicators abserved.   Comments: 1º 10 dicators abserved.   Comments: 1º 10 dicators abserved.   Comments: 1º 10 dicators abserved.   Confirm Map Type: Yes absence of the confirmation of the	Recorded Data: Yes D No B If yes,	e water in pit: (in ) Depth to saturated soil: 8 (in )
Series/Phase: Redding gravelly loan 3-8 1. 5 logs Drainage Class: Well definition of the first plantic. Aboutic Devizer of 5 Confirm Map Type: Yes Note that the first plantic Epipedon Suffice Odor Aquic Moisture Regime Reducing Conditions Gleyed/Low Chroma Colors Children High Organic Content in Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soils List: Other Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Structure of Soil Prof. Soil Prof. Soil Prof. Soil Soil Soil Soil Soil Soil Soil Soil	Recorded Data: Yes  No  If yes,	e water in pit: (in ) Depth to saturated soil: 8 (in )
Series/Phase: Redding gravelly loan 3-8/. 5 loge 5 Drainage Class: Well de la layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soils List: Yes Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Struck Befform of Soil pit Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Struck Befform of Soil pit Depth (in.) Well-and Soil pit Depth (in.) Well-and Soil pit Depth (in.) Soil pit Depth (in.) Well-and Soil pit Depth (in.) Soil pit Depth (in.) Well-and Soil pit Depth (in.) Soil pit D	Recorded Data: Yes \(\sigma\) No \(\mathbb{B}\) If yes,	e water in pit: (in ) Depth to saturated soil: 8 (in )  2 in
Taxonomy [Subgroup]: Thum's Abrutic Dun'xeralf 5 Confirm Map Type: Yes No Histosol  Histic Epipedon  Sufidic Odor  Aquic Moisture Regime  Reducing Conditions  Gleyed/Low Chroma Colors  Gleyed/Low Chroma Chrom	Recorded Data: Yes \(\bigcap \) No \(\bigcap \) If yes,	e water in pit: (in ) Depth to saturated soil: & (in )  2 in
Taxonomy [Subgroup]: Thum's Abrutic Dun'xeralf 5 Confirm Map Type: Yes No Histosol  Histic Epipedon  Sufidic Odor  Aquic Moisture Regime  Reducing Conditions  Gleyed/Low Chroma Colors  Gleyed/Low Chroma Chrom	Recorded Data: Yes \(\sigma\) No \(\mathbb{B}\) If yes,	e water in pit: (in ) Depth to saturated soil: & (in )  2 in
□ Histosol □ Histic Epipedon □ Sufidic Odor □ Aquic Moisture Regime □ Reducing Conditions ■ Gleyed/Low Chroma Colors □	Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free Primary Indicators: \( \text{Inundated } \text{ Inundated } \text{ Saturated in Upper 1:} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{U Water-stained} \)  Comments: \( \text{(or } \t	e water in pit: (in ) Depth to saturated soil:
High Organic Content in Surface Layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soils List: Other Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Struct B A 7,5 1/R 3/1 — Sandy clay Bettlem of Soil P,7 & 8".  Comments:  DECISION*  WETLAND / WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{No } \) If yes, \( \text{Copth of surface water: } \) (in.) Depth to free Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 1: } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Comments: } \) \( \text{Indicators } \) (in.) \( \text{Vater of Saturated in Upper 1: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Comments: } \) \( \text{Indicators } \) \( \text{Vol. Series/Phase: } \( \text{Redding } \) \( \text{gray Velly } \)	e water in pit: (in ) Depth to saturated soil:
Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Struct Softward Softwa	Recorded Data: Yes \(\begin{align*} \text{No } \begin{align*} \text{If yes, } \\ \text{Primary Indicators: } \(\begin{align*} \text{Inundated } \Bar{\text{Saturated in Upper 1:}} \\ \text{Secondary Indicators (2 or more required):} \\ \text{Oxidized Root Channels in Upper 12 in } \Bar{\text{Water-stained}} \\ \text{Comments: } \(\begin{align*} \text{Indicators } \text{Indicators } \\ \text{Oxidized For S } \\ \text{Dills} \\ \text{Series/Phase: } \left( \text{Politicators } \\ \text{Indicators } \\ \t	e water in pit: (in ) Depth to saturated soil:
Depth (in.) Horizon Matrix Color Mottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Struct Bettlem of 501/ p.7 8".  Comments:  DECISION*  Mottle (Abund/Contrast/Size) Texture, Concretions, Struct Grandy clay  Sandy clay  WETLAND/WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 1: } \)  Secondary Indicators (2 or more required):  O Oxidized Root Channels in Upper 12 in \( \text{Water-stained} \)  Comments: \( \text{Policy } \) (in.) Depth to free Primary Indicators: \( \text{Policy } \) (in.) Depth to fre	e water in pit:
B A 7.5 YR 3/1 — — Sandy clay Bottom of Soil p,7 © 8".  Comments:  DECISION*  WETLAND/WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{No } \) If yes, \( \text{Copth of surface water: } \) Inundated \( \text{Saturated in Upper 1: } \)  Secondary Indicators: \( \text{Innoncerval none required} \): \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained} \)  Comments: \( \text{Innoncerval none for surface for surface } \)  Series/Phase: \( \text{Red line } \) \( \text{grayelly line } \)  Histosol \( \text{U Histic Epipedon } \( \text{U Suffdic Odor } \text{U Aquic } \)  High Organic Content in Surface Layer in Sandy Soils	e water in pit: (in ) Depth to saturated soil:
Boffor of soil pit @ 8".  Comments:  DECISION*  WETLAND/WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 1: } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Water-stained} \)  Comments: \( \text{No } \text{No } \text{No } \text{No } \)  OLLS  Series/Phase: \( \text{Red } \text{No } \t	e water in pit:
Comments:  DECISION * WETLAND / WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 1:} \)  Secondary Indicators (2 or more required):  \( \text{O Oxidized Root Channels in Upper 12 in } \text{Water-stained} \)  Comments: \( \text{Ing } \) In \( \text{Ing } \) For \( \text{Solits} \)  OILS  Series/Phase: \( \text{Redding } \) Grave \( \text{Ing } \) Grave \( \text{Ing } \) A \( \text{Indicators } \)  Histosol \( \text{U Histic Epipedon } \text{U Sufidic Odor } \text{U Aquic Aquic } \)  High Organic Content in Surface Layer in Sandy Soils Inclusions [Series/Phase]: \( \text{Depth (in.)} \) Horizon \( \text{Matrix Color} \)	e water in pit:
DECISION * WETLAND / WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{ No } \) If yes, \( \text{ (in.) Depth to free} \)  Primary Indicators: \( \text{ Inundated } \text{ Saturated in Upper 1:} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{ Water-stained} \)  Comments: \( \text{ 10 dic a for 5 absolits} \)  OILS  Series/Phase: \( \text{ Ledding } \) \( \text{ Garmic Absolits} \)  Histosol \( \text{ Histosol } \text{ Histic Epipedon } \( \text{ Suffdic Odor } \text{ Aquic Aquic Absolits} \)  OH High Organic Content in Surface Layer in Sandy Soils Inclusions [Series/Phase]:  Depth (in.) \( \text{ Horizon } \) \( \text{ Matrix Color } \)  A \( \text{ 7, 5 } \) \( \text{ N 3/1} \)	e water in pit:
DECISION * WETLAND / WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{ No } \) If yes, \( \text{ (in.) Depth to free} \)  Primary Indicators: \( \text{ Inundated } \text{ Saturated in Upper 1:} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{ Water-stained} \)  Comments: \( \text{ 10 dic a for 5 absolits} \)  OILS  Series/Phase: \( \text{ Ledding } \) \( \text{ Garmic Absolits} \)  Histosol \( \text{ Histosol } \text{ Histic Epipedon } \( \text{ Suffdic Odor } \text{ Aquic Aquic Absolits} \)  OH High Organic Content in Surface Layer in Sandy Soils Inclusions [Series/Phase]:  Depth (in.) \( \text{ Horizon } \) \( \text{ Matrix Color } \)  A \( \text{ 7, 5 } \) \( \text{ N 3/1} \)	e water in pit:
DECISION * WETLAND / WATERS DETERMINATION? Yes	Recorded Data: Yes \( \text{ No } \) If yes, \( \text{ (in.) Depth to free} \)  Primary Indicators: \( \text{ Inundated } \text{ Saturated in Upper 1:} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{ Water-stained} \)  Comments: \( \text{ 10 dic a for 5 absolits} \)  OILS  Series/Phase: \( \text{ Ledding } \) \( \text{ Garmic Absolits} \)  Histosol \( \text{ Histosol } \text{ Histic Epipedon } \( \text{ Suffdic Odor } \text{ Aquic Aquic Absolits} \)  OH High Organic Content in Surface Layer in Sandy Soils Inclusions [Series/Phase]:  Depth (in.) \( \text{ Horizon } \) \( \text{ Matrix Color } \)  A \( \text{ 7, 5 } \) \( \text{ N 3/1} \)	e water in pit:
	Recorded Data: Yes \( \text{ No } \) If yes, \( \text{ (in.)} \) Depth to free Primary Indicators: \( \text{ Inundated } \text{ Saturated in Upper 1:} \)  Secondary Indicators (2 or more required): \( \text{ Oxidized Root Channels in Upper 12 in } \text{ Water-stained} \)  Comments: \( \text{ 10 dic a fors } \) ab 3  OILS  Series/Phase: \( \text{ Redding } \) gra \( \text{ Velly } \) A  Taxonomy [Subgroup]: \( \text{ Jayrnic } \) Ab 10  Histosol \( \text{ Histic Epipedon } \text{ Sufidic Odor } \text{ Aquic } \)  High Organic Content in Surface Layer in Sandy Soils Inclusions [Series/Phase]: \( \text{ Depth (in.)} \) Horizon \( \text{ Matrix Color } \)  Betham \( \text{ 3 / 1 } \)  Botham \( \text{ 3 / 1 } \)	e water in pit:
Nanonais C-12 C/1/ C/16 // C/1	Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water: (in.) Depth to free  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 1:} \)  Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained} \)  Comments: \( \text{Oxidized For S } \) \( \text{Oxidized For S } \)  OXILS  Series/Phase: \( \text{Redding } \) \( \text{Grange of Surface Layer in Sandy Soils} \)  Taxonomy [Subgroup]: \( \text{Taxonomy Content in Surface Layer in Sandy Soils} \)  Inclusions [Series/Phase]: \( \text{Depth (in.)} \) \( \text{Horizon } \) \( \text{Matrix Color} \)  \( \text{A } \) \( \tex	e water in pit:

Species Observed  Le/ Mule  Rum Cri  Ecy Vas  Dig San	15 20	Relative Cover  38. 8  16. 6  22. 2  32. 2	COVER: Vegetation Bare Ground Rocks Other TOTAL =	
TOTAL SUM (Σ) =  Species (Descending Order)	Relative Cover	100%  Cumulative Cover	Indicator Status	<u>Dominants</u>
Lot mul	38.8	38.8	ui- L- Lisability and Anthropological Company of the Company of th	and the second s
Ery vas	22.2	61.0		
Dig 5an	22.2	83.2	Laboratory of the state of the	
•	MANAGEMENT THE THE THE THE THE THE THE THE THE TH	ALL ARMY AND	And the second s	
400 March 1984 A 19	***************************************			
AND A STATE OF THE PARTY OF THE				
** **		Note that the second se		
	<u></u>		Maria Carrier Company	
	- The state of the			
	**************************************			The state of the s
	-	And the state of t		
	The state of the s		and the same of th	
			**************************************	
-				

	Date: <u>6/30/05</u> Sample Point: <u>2/</u>
Applicant/Owner: River - West	Field Investigator(s): 5. Roper
	Plant Community: <u>Annual</u> Grassland
Quad(s): When Hand	Section/Township/Range: UNSPC, TIAN, RSE
Do normal environmental conditions exist site? Yes • No • If	no, explain:
Atypical Situation? Yes 🗖 No 🛎 Explain:	
Is this a potential Problem Area? Yes 🗖 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes 🗆 N
Dominant Species Ind. Status Stratum Rel. % Cover	Dominant Species Ind. Status Stratum Rel. % Cover
1) Are not N/L H 23.8	5)
2) Tra C. 2 - H 19 0	6)
•	7)
4)	
Percentage of dominant species that are OBL, FACW, and/or FA	$C$ [excluding FAC-]: $\frac{O}{3} = \frac{O}{3}$
Comments:	
YDROLOGY	
X DROLOG Y	
Recorded Data: Yes 🚨 No 🝱 If yes,	
Recorded Data: Yes D No D If yes,	er in pit: (in.) Depth to saturated soil: 8 (in.)
Recorded Data: Yes No If yes,(in.) Depth to free water  Primary Indicators: Inundated Saturated in Upper 12 in. C	
Recorded Data: Yes No If yes,	er in pit: (in.) Depth to saturated soil: (in.)  Water Marks  Drift Lines  Sediment Deposits  Drainage Patterns in \
Recorded Data: Yes No If yes,	er in pit: (in.) Depth to saturated soil: & (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Naves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes No If yes,	wr in pit: (in.) Depth to saturated soil: 8 (in.)  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Naves   Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes No If yes,  Depth of surface water:  Primary Indicators:  Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-stained Lea  Comments:	aves D Local Soil Survey Data D FAC-Neutral Test D Other  HYDRIC SOILS? Yes D
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Q Saturated in Upper 12 in.} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in. \( \text{Q Water-stained Lea } \)  Comments: \( \text{No } \)  Oxidized Root Channels in Upper 12 in. \( \text{Q Water-stained Lea } \)  OillS  Series/Phase: \( \text{Pedding } \)  Gravelly \( \text{loan } \)	Trin pit: (in.) Depth to saturated soil: 8 (in.)  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in Naves   Local Soil Survey Data   FAC-Neutral Test   Other Observed.  HYDRIC SOILS? Yes   Test
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free water  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{U} \) Water-stained Lea  Comments: \( \text{No } \) \( \text{Oxi } \text{Zo } \) indicators (2 or more required):  Series/Phase: \( \text{Ledding } \) \( \text{Gar } \)  Taxonomy [Subgroup]: \( \text{Thermic } \) About is	Trin pit: (in.) Depth to saturated soil: 8 (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Values □ Local Soil Survey Data □ FAC-Neutral Test □ Other Observed.  HYDRIC SOILS? Yes □ 1  HYDRIC SOILS? Yes □ 1  A 3-8 /. Slopes Drainage Class: Well did  C Dun'xera f S Confirm Map Type: Yes □ Note
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in )} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \text{U} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{U} \) Water-stained Lea Comments: \( \text{No } \)  OILS  Series/Phase: \( \text{Leading } \) \( \text{gray Velly } \) \( \text{No } \)  Taxonomy [Subgroup]: \( \text{Thermic } \) \( \text{Abrution} \)  OHistosol \( \text{U} \) Histic Epipedon \( \text{U} \) Sufidic Odor \( \text{U} \) Aquic Mois	Trin pit: (in.) Depth to saturated soil: 8 (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Naves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in )} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \text{D} \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Indicators} \) Water-stained Lea Comments: \( \text{No } \) \( \text{Indicators} \)  Comments: \( \text{No } \) \( \text{Indicators} \)  Series/Phase: \( \text{Indicators} \)  Taxonomy [Subgroup]: \( \text{Indicators} \)  Histosol \( \text{Indicators} \)  High Organic Content in Surface Layer in Sandy Soils \( \text{Indicators} \)	Trin pit: (in.) Depth to saturated soil: 8 (in.)  Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in Naves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in ) Depth to free water. \( Primary Indicators: \( \text{Depth in Inundated } \text{Depth of Saturated in Upper 12 in } \text{Descondary Indicators (2 or more required): } \( \text{Doxidized Root Channels in Upper 12 in } \text{Depth water-stained Lea Comments: } \( \text{Apper Indicators } \) (2 \) Indicators (2 \) For the Comments: \( \text{Apper Indicators } \) (3 \) Series/Phase: \( \text{Pending grayelly load } \) (3 \) Taxonomy [Subgroup]: \( \text{Thermic Appendix Appendix Moist } \) Histosol \( \text{D Histic Epipedon } \( \text{D Sufidic Odor } \) Aquic Moist \( \text{D High Organic Content in Surface Layer in Sandy Soils } \text{D Organic Inclusions [Series/Phase]: } \)	The pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in ) Depth to free water. \( \text{Primary Indicators: } \) Inundated \( \text{D Saturated in Upper 12 in } \) Secondary Indicators (2 or more required): \( \text{D Oxidized Root Channels in Upper 12 in } \text{D Water-stained Lea Comments: } \( \text{AD } \) \( \text{DOX } \) \( DO	The string pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \text{D} \)  Secondary Indicators (2 or more required): \( \text{Water-stained Lea } \)  Comments: \( \text{No } \) \( \text{Or } \text{Zo } \) Indicators (2 or more required): \( \text{Value of A or } \text{Zo } \)  Comments: \( \text{No } \) \( \text{Or } \text{Zo } \) Indicators (2 or more required): \( \text{Value of A or } \text{Zo } \)  Series/Phase: \( \text{A or } \text{Zo } \) \( \text{Zo } \) Indicators (2 or more required): \( \text{Domicators } \text{Zo } \)  Taxonomy [Subgroup]: \( \text{Zo } \) \( \text{Zo } \	Trin pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( (in \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \text{D} \)  Secondary Indicators (2 or more required):  \( \text{O Oxidized Root Channels in Upper 12 in } \text{Water-stained Lea Comments: } \( \text{Ab } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  O	water Marks Drift Lines Sediment Deposits Drainage Patterns in Naves Local Soil Survey Data FAC-Neutral Test Other  HYDRIC SOILS? Yes HYDRIC SOILS? Yes Drainage Class: Well die  C. Duri Xera f S Confirm Map Type: Yes No Isture Regime Reducing Conditions Gleyed/Low Chroma Colors Conganic Streaking in Sandy Soils Listed on Hydric Soils List Other  On Hydric Soils List: Yes Contitue Color Mottle (Abund/Contrast/Size)  Texture, Concretions, Structure, Sandy Clay
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( (in \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \text{D} \)  Secondary Indicators (2 or more required):  \( \text{O Oxidized Root Channels in Upper 12 in } \text{Water-stained Lea Comments: } \( \text{Ab } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  O	Trin pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in )} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \text{DES}  Secondary Indicators (2 or more required): \( \text{Water-stained Lea } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea } \)  Comments: \( \text{No } \) \( \text{Oxi } \) \( \text{Oxi } \)  OILS  Series/Phase: \( \text{Pedding } \) \( \text{Garmic About is } \)  Taxonomy [Subgroup]: \( \text{Inemic About is } \)  Histosol \( \text{U Histic Epipedon } \text{U Sufidic Odor } \text{U Aquic Mois } \)  \( \text{U High Organic Content in Surface Layer in Sandy Soils } \text{U Organic Inclusions [Series/Phase]: } \)  Depth (in.) \( \text{Horizon } \)  \( \text{Matrix Color } \)  \( \text{M A 7.5 YR 3/4} \)  \( \text{Botton } \)  \( \text{Potton } \)  \( \text{Potton } \)  \( \text{About Inclusion } \)  \( \text{Matrix Color } \)  \( \text{M A 7.5 YR 3/4} \)  \( \text{Potton } \)  \( \text{Matrix Color } \)  \( \text{M A 7.5 YR 3/4} \)  \( \text{Potton } \)  \( Pott	water Marks Drift Lines Sediment Deposits Drainage Patterns in Naves Local Soil Survey Data FAC-Neutral Test Other  HYDRIC SOILS? Yes HYDRIC SOILS? Yes Drainage Class: Well die  C. Duri Xera f S Confirm Map Type: Yes No Isture Regime Reducing Conditions Gleyed/Low Chroma Colors Conganic Streaking in Sandy Soils Listed on Hydric Soils List Other  On Hydric Soils List: Yes Contitue Color Mottle (Abund/Contrast/Size)  Texture, Concretions, Structure, Sandy Clay
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( (in \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \text{D} \)  Secondary Indicators (2 or more required):  \( \text{O Oxidized Root Channels in Upper 12 in } \text{Water-stained Lea Comments: } \( \text{Ab } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  Oxidized Root Channels in Upper 12 in \( \text{Water-stained Lea Comments: } \)  O	water Marks Drift Lines Sediment Deposits Drainage Patterns in Naves Local Soil Survey Data FAC-Neutral Test Other  HYDRIC SOILS? Yes HYDRIC SOILS? Yes Drainage Class: Well die  C. Duri Xera f S Confirm Map Type: Yes No Isture Regime Reducing Conditions Gleyed/Low Chroma Colors Conganic Streaking in Sandy Soils Listed on Hydric Soils List Other  On Hydric Soils List: Yes Contitue Color Mottle (Abund/Contrast/Size)  Texture, Concretions, Structure, Sandy Clay
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated } \) Inundated \( \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  \( \text{O Oxidized Root Channels in Upper 12 in } \) Water-stained Lea Comments:  \( \text{No } \) \( \text{O ox } \) \( \text{Indicators } \)  OILS  Series/Phase:  \( \text{Palating } \) \( \text{gray Velly } \) \( \text{O ox} \)  Taxonomy [Subgroup]:  \( \text{Indicators } \) \( \text{Abrution} \)  \( \text{Histosol } \) Histic Epipedon \( \text{Suffide Odor } \) Aquic Mois  \( \text{Indicators } \) \( \text{Palating } \) \( \text{Organic Content in Surface Layer in Sandy Soils } \) \( \text{Organic Species/Phase} \):  \( \text{Depth (in.)} \)  \( \text{Horizon} \)  \( \text{Matrix Color} \)  \( Matrix Colo	water Marks Drift Lines Sediment Deposits Drainage Patterns in Naves Local Soil Survey Data FAC-Neutral Test Other  HYDRIC SOILS? Yes HYDRIC SOILS? Yes Drainage Class: Well die  C. Duri Xera f S Confirm Map Type: Yes No Isture Regime Reducing Conditions Gleyed/Low Chroma Colors Conganic Streaking in Sandy Soils Listed on Hydric Soils List Other  On Hydric Soils List: Yes Contitue Color Mottle (Abund/Contrast/Size)  Texture, Concretions, Structure, Sandy Clay
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in ) Depth to free water. \( \text{Primary Indicators: } \) Inundated \( \text{Daturated in Upper 12 in } \) Secondary Indicators (2 or more required): \( \text{Dox} \) Oxidized Root Channels in Upper 12 in \( \text{Daturated Water-stained Lea Comments: } \( \text{AD } \) \( \text{Daturated } \) On \( \text{Daturated Policy } \) Series/Phase: \( \text{Pedding } \) \( \text{Gaturated } \) Oxidized \( \text{Policy } \) Oxidized \(	Trin pit:

Species Observed	Actual Cover	Relative Cover	COVER:	
Ave fat			Vegetation	100
	\$6.20		Bare Ground	100
	20	19.0	Rocks	
Hem pun	10	9.5	Other	Add to 1990 William To the Control of the Control o
Ere sat	15	14. 3	TOTAL =	100%
Bri min	15	14.3		_
X				
***************************************				
		u		
***************************************		AND THE RESIDENCE OF THE PARTY		
	,			
TOTAL SUM $(\Sigma)$	Annual Communication of the Co	100%		
Species (Descending Order)	Relative Cover	Cumulative Cover	Indicator Status D	ominants
Aug lat				CATALLE SOLD COM
Ave for	23.8	<i>23.  કે</i>		<u> </u>
Тае Сар	23.8 19.0	23.8 42.8		
0	23.8	<i>23.  કે</i>		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8		
Тае Сар	23.8 19.0	23.8 42.8 61.8		
Тае Сар	23.8 19.0	23.8 42.8 61.8		
Тае Сар	23.8 19.0	23.8 42.8 61.8		
Тае Сар	23.8 19.0	23.8 42.8 61.8		
Тае Сар	73-8	23.8		
Tae Cap	23.8 19.0	23.8		

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

	Field Investigator(s): 5. Roper
County: Yuha State: Ca	Plant Community: <u>Annual</u> Grassland
Quad(s): When Hand	Section/Township/Range: UNSEC, TIAN, RSE
Do normal environmental conditions exist site? Yes <b>■</b> No <b>□</b>	If no, explain:
Atypical Situation? Yes 🗖 No 🖛 Explain:	
Is this a potential Problem Area? Yes 🚨 No 🗣 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes ■ N
Dominant Species Ind. Status Stratum Rel. % Co-	ver <u>Dominant Species</u> <u>Ind. Status</u> <u>Stratum</u> <u>Rel. % Cover</u>
1) Lol mul Fac H 28.	6 5) Jun buf Facust H 14.3
	<u>O</u> 6)
	<i>Z</i> 7)
	3 8)
Percentage of dominant species that are OBL, FACW, and/or	*
Comments:	
	[
YDROLOGY	WETLAND HYDROLOGY? Yes N
Recorded Data: Yes 🖪 No 🖪 If yes,	
Recorded Data: Yes D No B If yes,	vater in pit: (in.) Depth to saturated soil: 8 (in.)
Recorded Data: Yes No If yes,	
Recorded Data: Yes  No  If yes,	vater in pit: (in.) Depth to saturated soil: 8 (in.)  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in W
Recorded Data: Yes No If yes,	vater in pit: (in.) Depth to saturated soil: 8 (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes No If yes,	vater in pit: (in.) Depth to saturated soil: 8 (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes \(\Q_i\) No \(\q_i\) If yes,	vater in pit: (in.) Depth to saturated soil: 8 (in )  n. □ Water Marks □ Drift Lines □ Sediment Deposits ■ Drainage Patterns in W  Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other
Recorded Data: Yes No If yes,  Depth of surface water:	Vater in pit: (in.) Depth to saturated soil: 8 (in.)  In Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Marks Drift Lines Sediment Deposits Drainage Patterns in Water Leaves Local Soil Survey Data FAC-Neutral Test Other HYDRIC SOILS? Yes N
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{Inundated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in. \( \text{Uwater-stained In Upper 12 in } \)  Comments: \( \text{Volume in dicator } \text{ODSOCC} \)  OILS  Series/Phase: \( \text{Redding } \text{GCA Velly locator} \)	Vater in pit: (in.) Depth to saturated soil:
Recorded Data: Yes \(\text{ No } \) If yes, \(\text{ (in.)}\) Depth to free w \(\text{Primary Indicators: } \text{ Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required): \(\text{ Oxidized Root Channels in Upper 12 in. } \text{ Water-stained In Upper 12 in. } \text{ Water-stained In Upper 12 in. } \(\text{ Oxidized Root Channels in Upper 12 in. } \text{ Water-stained In Upper 12 in. } \( Oxidized Social	vater in pit: (in.) Depth to saturated soil:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( (in.) \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in. \( \text{U Water-stained In Upper 12 in } \)  Comments: \( \text{Vectors of Saturated } \)  OILS  Series/Phase: \( \text{Leading } \)  Series/Phase: \( \text{Leading } \)  Taxonomy [Subgroup]: \( \text{Taxonomic Abruz } \)  Histosol \( \text{U Histic Epipedon } \text{U Sufidic Odor } \text{U Aquic Months.} \)	Acter in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we \( \text{Primary Indicators: } \) Inundated \( \text{D Saturated in Upper 12 in } \) Secondary Indicators (2 or more required): \( \text{D Oxidized Root Channels in Upper 12 in. } \text{D Water-stained In Comments: } \( \text{D Oxidized Foot Channels in Upper 12 in. } \text{D Water-stained In Comments: } \( \text{D Oxidized Foot Channels in Upper 12 in. } \text{D Water-stained In Comments: } \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained In Comments: \( \text{D Oxidized Foot Channels in Upper 12 in. } \) Water-stained I	Avater in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we the surface water: \( \text{Constant of the end of surface water: } \) Inundated \( \text{Saturated in Upper 12 in Secondary Indicators (2 or more required): } \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained Incomments: } \( \text{Constant of Saturated of Saturated in Water-stained Incomments: } \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Incomments: \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( Particle And of Satur	Acter in pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in. \( \text{U Water-stained In Upper 12 in } \)  Comments: \( \text{Vectors in dicator } \text{OBSOLUTION} \)  Series/Phase: \( \text{Leading } \text{gray Velly location} \)  Taxonomy [Subgroup]: \( \text{Thermic Abruz} \)  Histosol \( \text{U Histic Epipedon } \( \text{Ustfidic Odor } \text{U Aquic M} \)	Acter in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we the surface water: \( \text{Constant of the end of surface water: } \) Inundated \( \text{Saturated in Upper 12 in Secondary Indicators (2 or more required): } \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained Incomments: } \( \text{Constant of Saturated of Saturated in Water-stained Incomments: } \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Incomments: \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( Particle And of Satur	Acter in pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in. } \text{Water-stained I } \)  Comments: \( \text{No.} \text{No.} \text{No.} \text{No.} \text{Social } \)  OILS  Series/Phase: \( \text{Pedding } \text{gray Velly } \)  Taxonomy [Subgroup]: \( \text{No.} \text{No.} \text{Taxonomy [Subgroup]: } \)  Histosol \( \text{Inition Histic Epipedon } \text{U Suffdic Odor } \text{U Aquic M } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{Inclusions [Series/Phase]: } \)	Acter in pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in.)} \) Depth to free w  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  \( \text{Oxidized Root Channels in Upper 12 in. } \text{Water-stained I } \)  Comments: \( \text{No.} \text{No.} \text{No.} \text{No.} \text{Social } \)  OILS  Series/Phase: \( \text{Pedding } \text{gray Velly } \)  Taxonomy [Subgroup]: \( \text{No.} \text{No.} \text{Taxonomy [Subgroup]: } \)  Histosol \( \text{Inition Histic Epipedon } \text{U Suffdic Odor } \text{U Aquic M } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{Inclusions [Series/Phase]: } \)	Acter in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we the surface water: \( \text{Constant of the end of surface water: } \) Inundated \( \text{Saturated in Upper 12 in Secondary Indicators (2 or more required): } \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained Incomments: } \( \text{Constant of Saturated of Saturated in Water-stained Incomments: } \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Incomments: \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( Particle And of Satur	Acter in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we the surface water: \( \text{Constant of the end of surface water: } \) Inundated \( \text{Saturated in Upper 12 in Secondary Indicators (2 or more required): } \( \text{Oxidized Root Channels in Upper 12 in } \text{Water-stained Incomments: } \( \text{Constant of Saturated of Saturated in Water-stained Incomments: } \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Incomments: \( \text{Constant of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) Water-stained Inclusions \( \text{Series/Phase} \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( \text{Particle And of Saturated in Upper 12 in } \) \( Particle And of Satur	Acter in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we have the primary Indicators: \( \text{Inundated } \text{Saturated in Upper 12 in Secondary Indicators (2 or more required): } \( \text{Oxidized Root Channels in Upper 12 in. } \text{Water-stained In Comments: } \( \text{Oxidized For Oxidized Root Channels in Upper 12 in. } \text{Water-stained In Comments: } \( Oxidized For Oxidized Fo	Acter in pit:
Recorded Data: Yes \( \text{No } \) If yes, \( \text{Depth of surface water: } \) (in.) Depth to free we have the primary Indicators: \( \text{Depth of number of surface water: } \) Inundated \( \text{Data Saturated in Upper 12 in Secondary Indicators (2 or more required): } \)  Oxidized Root Channels in Upper 12 in. \( \text{D Water-stained In Comments: } \) (in \( \text{Discasor of Social Social Series/Phase: } \) Leading \( \text{Gato Comments: } \) (in \( \text{Discasor of Social Social Series/Phase: } \) (in \( \text{Discasor of Surface Layer in Sandy Soils } \) (in \( \text{High Organic Content in Surface Layer in Sandy Soils } \) (in \( \text{Depth (in.)} \) (in \( \text{Depth (in.)} \) (in \( \text{Domic Social Social Series/Phase} \) (in \( \text{Depth (in.)} \) (in \( \text{Depth (in.)} \) (in \( \text{Domic Social Social Social Series/Phase} \) (in \( \text{Depth (in.)} \) (in \( \text{Depth (in.)} \) (in \( \text{Domic Social Social Social Social Series/Phase} \) (in \( \text{Depth (in.)} \) (in \( \text{Depth (in.)} \) (in \( Domic Social	vater in pit:
Primary Indicators: Inundated Saturated in Upper 12 in Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in. Water-stained Incomments: Series/Phase: Series/Phase: Series/Phase: Series/Phase: Subgroup: Subgro	vater in pit:

Species Observed  Lol mul  Hem pum  Ery vas  Tri hir  Jun buf  Bri min	Actual Cover .30 .15 .20 .15 .15 .15	Relative Cover  28.6  14.3  19.0  14.3  14.3  9.5	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ) =  Species (Descending Order)	Relative Cover	100%  Cumulative Cover	Indicator Status Dor	minants
Lal mul Ery vas Hem pun Tri hic Jun bug	28.6 19.0 14.3 14.3	28.6 97.6 61.9 76.2 90.5		

Field Investigator(s): 5. Roper
Field investigator(s).
Plant Community: <u>Oronal</u> Grassland
Section/Township/Range: UNSEC TIAN, RSE
no, explain:
HYDROPHYTIC VEGETATION? Yes ☐ N
Dominant Species Ind. Status Stratum Rel. % Cover
5)
6)
7)
8)
C [excluding FAC-]: $\frac{1}{3}$ = $\frac{33}{8}$ %
WETLAND HYDROLOGY? Yes □ N
r in pit: (in.) Depth to saturated soil: $> 8^{1/2}$ (in.)
1 Water Marks □ Drift Lines □ Sediment Deposits □ Drainage Patterns in W
District Colors Date Date Colors Tree District
ves D Local Soil Survey Data D FAC-Neutral Test D Other
HYDRIC SOILS? Yes IN
n 3-8%. 5/apes Drainage Class: Well dra
n 3-8%. Slopes Drainage Class: Well dra
n 3-8/. 5/ope 5 Drainage Class: Well dro C. Durixeralf 5 Confirm Map Type: Yes D No ture Regime D Reducing Conditions D Gleyed/Low Chroma Colors D Con
n 3-8/. 5/ope 5 Drainage Class: Well dro C. Durixeralf 5 Confirm Map Type: Yes D No ture Regime D Reducing Conditions D Gleyed/Low Chroma Colors D Con
Drainage Class: Well drain Confirm Map Type: Yes No ture Regime Reducing Conditions Gleyed/Low Chroma Colors Conganic Streaking in Sandy Soils Listed on Hydric Soils List Other
Drainage Class: Well dra  Drainage Class: Well dra  Confirm Map Type: Yes \( \text{No } \)  No \( \text{ture Regime } \)  Reducing Conditions \( \text{Gleyed/Low Chroma Colors } \text{Confirm Sandy Soils } \( \text{Listed on Hydric Soils List: } \text{Qother} \)  On Hydric Soils List: Yes \( \text{No } \)  Nottle Color \( \text{Mottle (Abund/Contrast/Size)} \)  Texture, Concretions, Structure
Drainage Class: Well dro  C. Duri Xeralf 5 Confirm Map Type: Yes \( \text{No.} \) No.  ture Regime \( \text{Reducing Conditions } \text{Gleyed/Low Chroma Colors } \text{Confirm Size Confirm Map Type: Yes \( \text{No.} \) No.  ganic Streaking in Sandy Soils \( \text{Listed on Hydric Soils List } \text{ Other } \)  On Hydric Soils List: Yes \( \text{No.} \) No.  Texture, Concretions, Structure fandy \( \text{Color} \)
Drainage Class: Well dra  Drainage Class: Well dra  Confirm Map Type: Yes \( \text{No } \)  No \( \text{ture Regime } \)  Reducing Conditions \( \text{Gleyed/Low Chroma Colors } \text{Confirm Sandy Soils } \( \text{Listed on Hydric Soils List: } \text{Qother} \)  On Hydric Soils List: Yes \( \text{No } \)  Nottle Color \( \text{Mottle (Abund/Contrast/Size)} \)  Texture, Concretions, Structure
Drainage Class: Well drainage
Drainage Class: Well dra  C. Duri Xeralf 5 Confirm Map Type: Yes \( \text{No } \)  Ture Regime \( \text{Reducing Conditions } \)  Confirm Map Type: Yes \( \text{No } \)  To the Regime \( \text{Reducing Conditions } \)  Confirm Map Type: Yes \( \text{No } \)  No \( \text{To do } \)  Texture Regime \( \text{No } \)  Confirm Map Type: Yes \( \text{No } \)  Confirm Ma
Drainage Class: Well dra  C. Duri Xeralf 5 Confirm Map Type: Yes \( \text{No } \)  Ture Regime \( \text{Reducing Conditions } \)  Confirm Map Type: Yes \( \text{No } \)  To the Regime \( \text{Reducing Conditions } \)  Confirm Map Type: Yes \( \text{No } \)  No \( \text{To do } \)  Texture Regime \( \text{No } \)  Confirm Map Type: Yes \( \text{No } \)  Confirm Ma
Drainage Class: Well dra  C. Dun'xeralf S Confirm Map Type: Yes No  ture Regime Reducing Conditions Gleyed/Low Chroma Colors Con  ganic Streaking in Sandy Soils Listed on Hydric Soils List: Yes No  Nottle Color Mottle (Abund/Contrast/Size) Texture, Concretions, Structure  Sandy Clay  Bill.
Drainage Class: Well dro  C. Duri Xeralf 5 Confirm Map Type: Yes \( \text{No.} \) No.  Ture Regime \( \text{Reducing Conditions } \text{Gleyed/Low Chroma Colors } \text{Confirm Size Confirm Map Type: Yes } \text{No.} \( \text{No.} \)  Texture Regime \( \text{Reducing Conditions } \text{Confirm Map Type: Yes } \text{No.} \)  To the Regime \( \text{Reducing Conditions } \text{Confirm Map Type: Yes } \text{No.} \)  The Regime \( \text{Reducing Conditions } \text{Confirm Map Type: Yes } \( \text{No.} \)  The Regime \( \text{Reducing Conditions } \text{Confirm Map Type: Yes } \( \text{No.} \)  The Regime \( \text{Reducing Conditions } \text{Confirm Map Type: Yes } \( \text{No.} \)  The Regime \( \text{Reducing Conditions } \text{Confirm Map Type: Yes } \( \text{No.} \)  The Regime \( No.
Drainage Class: Well Are Dul'xerolfs Confirm Map Type: Yes No ture Regime Reducing Conditions Gleyed/Low Chroma Colors Conganic Streaking in Sandy Soils Listed on Hydric Soils List: Yes On Hydric Soils List: Yes On Hydric Soils List: Yes On Hydric Color Mottle (Abund/Contrast/Size) Texture, Concretions, Structure Sandy Clay

Species Observed	Actual Cover	Relative Cover	COVER:	
	25		Vegetation	/ 4.70-
- // .	20	14 8	Bare Ground	<u> </u>
	2.5	18 5	Rocks	**************************************
,	30	28.2	Other	
·	20	14.8	TOTAL =	100%
	15	//. /		30074
	· · · · · · · · · · · · · · · · · · ·			
TOTAL SUM $(\Sigma)$ =		100%		
Species (Descending Order)  Tae Cap	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
r	18.5	40.7	And the second s	100 Marian 100 Maria
Ave fut			***************************************	
Hem pun	18.5	59.2	my desired in the second secon	
			an marks the state of the state	100 a 104
white the same that the same t			AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
		***************************************		
				775-117-78-1111-111-1
A COLUMN ASSESSMENT OF THE PROPERTY OF THE PRO				
attender i andre de la companya de l			And a second contraction of the second contr	**************************************
			Name of the state	ANTINA PILA ANALANI, III III III III III III III III III
			-	**************************************
			Company of the Control of the Contro	·
	-	·		-
			And the state of t	

Project/Site: Brown Cattle Compu Applicant/Owner: River - West	
County: Yuha State: C	
Quad(s): When Hand	
• •	No □ If no, explain:
	то и по, схранк
	in:
EGETATION	HYDROPHYTIC VEGETATION? Yes
Dominant Species Ind. Status Stratum Rel	
1	<i>33.3</i> 5)
2) Hempun Fac H 6	76.6 6)
3)	
4)	8)
Percentage of dominant species that are OBL, FACW, a	ind/or FAC [excluding FAC-]: =
Comments:	
Recorded Data: Yes D No B If yes,	free water in pit: (in.) Depth to saturated soil:
Recorded Data: Yes  No  If yes, (in ) Depth to  Primary Indicators:  Inundated  Saturated in Uppe  Secondary Indicators (2 or more required):	free water in pit: (in.) Depth to saturated soil: &
Recorded Data: Yes \(\bigcap \) No \(\bigcap \) If yes,	free water in pit: (in.) Depth to saturated soil:
Recorded Data: Yes \(\begin{align*} \text{No } \begin{align*} \text{If yes, } \\ \text{Depth of surface water: } \qquad \text{(in.)} \text{ Depth to } \\ \text{Primary Indicators: } \(\begin{align*} \text{Inundated } \begin{align*} \text{Saturated in Upper Secondary Indicators (2 or more required): } \\ \begin{align*} \text{Oxidized Root Channels in Upper 12 in. } \begin{align*} \text{Water-streets: } \\ \text{Comments: } \\ \text{Indicators for } \text{Obs. So.} \\ \text{So.} \\ S	free water in pit: (in.) Depth to saturated soil: & (in.)  or 12 in.    \[ \text{Water Marks } \text{Drift Lines } \text{Dediment Deposits } \text{Drainage Patterns in Value of Local Soil Survey Data } \text{DFAC-Neutral Test } \text{Other } \text{Docal Soil Survey Data } \text{DFAC-Neutral Test } \text{Other } \text{Docal Soil Survey Data } \text{DFAC-Neutral Test } \text{Dotal Soil Survey Data } \text{DFAC-Neutral Test } \text{DOTAL Soil Survey Data } \text{DESTAL Soil Survey Data } \
Recorded Data: Yes \( \text{No} \) If yes,	free water in pit: (in.) Depth to saturated soil: Z (in.)  or 12 in.
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to  Primary Indicators: \( \text{Inundated } \text{ Saturated in Upper Secondary Indicators (2 or more required):} \)  Oxidized Root Channels in Upper 12 in \( \text{In Water-state} \)  Comments: \( \text{Indicators } \) \( \text{Ob. 50} \)  OILS  Series/Phase: \( \text{Ledding } \text{gra velly} \)	free water in pit: (in.) Depth to saturated soil: Z & (in.)  or 12 in.  \ Water Marks \ Drift Lines \ Sediment Deposits \ Drainage Patterns in V  ained Leaves \ Local Soil Survey Data \ FAC-Neutral Test \ Other \( \hat{hosf} \) property  ained Leaves \ Local Soil Survey Data \ FAC-Neutral Test \ Other \( \hat{hosf} \) property  HYDRIC SOILS? Yes \ 1  Loam 3-8 /. Slapes \ Drainage Class: Well die
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit: (in.) Depth to saturated soil: Z_B
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to  Primary Indicators: \( \text{Inundated } \text{Saturated in Upper Secondary Indicators (2 or more required):} \)  Oxidized Root Channels in Upper 12 in \( \text{Water-state} \)  Comments: \( \text{Indicators } \text{Or } \text{Do } \text{So} \)  OILS  Series/Phase: \( \text{Ledding } \text{gray } \text{gray } \text{Velly} \)  Taxonomy [Subgroup]: \( \text{Thermic } \text{Ab} \)  OHistosol \( \text{U Histic Epipedon } \text{U Sufidic Odor } \text{U Ac} \)	free water in pit: (in.) Depth to saturated soil: Z_B
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to  Primary Indicators: \( \text{Inundated } \text{ Saturated in Uppe } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{In Water-street} \)  Comments: \( \text{Indicators } \) \( \text{Solits} \)  Series/Phase: \( \text{Ledding } \) \( \text{Gravelly} \)  Taxonomy [Subgroup]: \( \text{Thumic Ab} \)  Histosol \( \text{Institute Histic Epipedon } \( \text{Suffdic Odor } \text{Indicators } \)  High Organic Content in Surface Layer in Sandy Soi	free water in pit: (in.) Depth to saturated soil: Z_B
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit: (in.) Depth to saturated soil: Z_B
Primary Indicators:  Inundated Saturated in Upper Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in Water-state Comments:   DILS  Series/Phase:   Ledding gravelly  Taxonomy [Subgroup]:   Histosol Histic Epipedon Sufidic Odor Action  High Organic Content in Surface Layer in Sandy Soil Inclusions [Series/Phase]:	free water in pit:
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit: (in.) Depth to saturated soil: Z_B
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit:
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit: (in.) Depth to saturated soil: Z_B
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit: (in.) Depth to saturated soil: Z_B
Recorded Data: Yes \( \text{No } \) If yes,	free water in pit: (in.) Depth to saturated soil: Z_B

Species Observed	Actual Cover	Relative Cover	COVER:		
Ery vas	25	33.3	Vegetation		5
Hen pur _	<i>20</i>	26.6	Bare Ground		
Pol mon		20	Rocks		
Lol mul		20	Other		
			TOTAL =	100	%
	-				
		*			
· · · · · · · · · · · · · · · · · · ·					
	-				
TOTAL SUM $(\Sigma)$ =	· 75 /	100%			
Species (Descending Order)	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>	
Ery Vas	333	33.3			
/	26.6	59.9			
for the state of t					
Address of the state of the sta	***	WARREN AND AND APPEAR OF THE SECOND S	447711-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
*	***************************************				
				-	
	-	WHITE AND A SEASON AND A SEASON ASSESSMENT A	programme to the state of the s		
<u></u>		++++++++++++++++++++++++++++++++++++++	,		
		A STATE OF THE STA	A A A CONTRACTOR OF THE PARTY O	WANTED THE SECOND PROPERTY OF THE SECOND PROP	
The state of the s				We do not be a second of the s	
			Company of the Compan		
					,
ana ang sa a			**************************************		,
	<u></u>		Variable - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	when the same of t				_

## ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Project/Site: Brown Applicant/Owner: B						30/05			
						5 Ro,			
County: Yuka						annua.	-		
Quad(s): Wheat						ange: 412.5		_	
Do normal environmenta									
Atypical Situation? Yes									
Is this a potential Problem	m Area? Yes E	l No 🛡 Ex	plain:		· · · · · · · · · · · · · · · · · · ·				
EGETATION -				7733		HYDROPH	YTIC VE	GETATION	!? Yes □ N
Dominant Species	Ind. Status	Stratum	Rel. % Cover	Don	ninant Species	Ind. Status	Stratu	m Rel. % Co	ver
1) Tri hic	NL	H	25	5)					
2) Ave gat									
3) Tal cap									
4)									
						_			·
Percentage of dominant							<u> </u>	6	
Comments:			***************************************						
						······································			
YDROLOGY —				<u> </u>	,	WETL	AND HY	DROLOGY'	Yes 🛛 N
						L	AND HY	DROLOGY'	Yes 🗆 N
Recorded Data: Yes 🗖 1	No 🖪 If yes,								
Recorded Data: Yes 🗖 I	No 🗷 If yes,	(in.) Depth	to free water	in pit:	(is	n) Depth to sa	iturated so	il: <u>7</u> &	?(in.)
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1	No ■ If yes,	(in.) Depth	to free water	in pit:	(is	n) Depth to sa	iturated so	il: <u>7</u> &	?(in.)
Recorded Data: Yes 1 1 Depth of surface water: Primary Indicators: 1 1 Secondary Indicators (2 1 Oxidized Root Chann	No If yes, Inundated I Sa or more requirels in Upper 12	(in.) Depth sturated in Use red): sin.  Water	to free water pper 12 in.   r-stained Leav	in pit:Water Mark	(irks 🗖 Drift Li	n) Depth to sances	uturated so	il: <u>7 &amp;</u> Drainage  Other	(in ) Patterns in V
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2)	No If yes, Inundated I Sa or more requirels in Upper 12	(in.) Depth sturated in Use red): sin.  Water	to free water pper 12 in.   r-stained Leav	in pit:Water Mark	(irks 🗖 Drift Li	n) Depth to sances	uturated so	il: <u>7 &amp;</u> Drainage  Other	(in ) Patterns in V
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Dividized Root Channel Comments: 1 Double Comments: 1 Double Comments	No If yes, Inundated I Sa or more requirels in Upper 12	(in.) Depth sturated in Use red): sin.  Water	to free water pper 12 in.   r-stained Leav	in pit:Water Mark	(irks 🗖 Drift Li	n) Depth to sances	iturated so	il: <u>7 &amp;</u> Drainage  Other	(in ) Patterns in V
Oxidized Root Chann Comments:	In If yes,	(in.) Depth sturated in Us red): in.   Water	n to free water pper 12 in   r-stained Leav	in pit:	(irks ロ Drift Li Soil Survey	n) Depth to sanes  Sedimen  Data  FAC-N	turated so t Deposits eutral Test	il: 78 Drainage Other ORIC SOILS	(in ) Patterns in W
Recorded Data: Yes 1 Depth of surface water: Primary Indicators: 1 Secondary Indicators (2 Depth of surface water: Discount of the surface water w	Inundated Salor more requirels in Upper 12	(in.) Depth sturated in Using the Water	n to free water pper 12 in.   r-stained Leav indica	in pit:	is Drift Li Soil Survey	n) Depth to so nes  Sedimen  Data  FAC-N	turated so t Deposits eutral Test HYI	il: 78 Drainage Other ORIC SOILS	(in) Patterns in W
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Depth of surface water:  Oxidized Root Channel Comments: 1 DILS	In If yes,	(in.) Depth sturated in Use red): in.  Water	to free water pper 12 in  r-stained Leav indica floan butic	in pit:  Water Marl  ves  Local  lor, 5	(ir so Drift Li Soil Survey)	n) Depth to sames Data Depth FAC-No.	turated so t Deposits eutral Test HYI Drainage	il: 78 Drainage Other ORIC SOILS Class: Use	(in) Patterns in W Yes O No
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS Series/Phase: Ledd Taxonomy [Subgroup]:	In If yes,	(in.) Depth sturated in Using Park Wells	r-stained Leav	in pit:  Water Marl  Ves D Local  Local  Or, 5  Dur  Ure Regime	(ir so Drift Li Soil Survey: So	Data FAC-N	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo	il: 7 E Drainage Dother DRIC SOILS Class: 4/2 Map Type:	? (in.) Patterns in V ? Yes  No
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Discoundary Indicators (2 Comments: 1 Discoundary Indicators (2 Discoundary Indica	In July on the Information of th	(in.) Depth sturated in Using Park Wells	r-stained Leav	in pit:  Water Marl  Ves D Local  Local  Or, 5  Dur  Ure Regime	(ir so Drift Li Soil Survey: So	Data FAC-N	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo	il: 7 E Drainage Dother DRIC SOILS Class: 4/2 Map Type:	? Yes I No lolors I Con
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: Less Taxonomy [Subgroup]: Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	r-stained Leav	in pit:	Soil Survey:  Soil Survey:  Soil Survey:  Soil Survey:  Reducing Reducing in Sandy S	Data FAC-Normal Factors  Cope S  Conditions Contrast/S  Abund/Contrast/S	turated so t Deposits eutral Test  HYI  Drainage Confirm Gleyed/Loo on Hydric On Hy	il: 78 Drainage Dother  ORIC SOILS Class: 46 Map Type: ow Chroma Co	? Yes I No look Conductors Conduc
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: 1 Taxonomy [Subgroup]: Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	to free water pper 12 in  r-stained Leav indica  Acutica Aquic Moisti Soils  Orga  Mc 4/3	in pit:  Water Marl  Ves Local  Or, 5  7  Duy  ure Regime  anic Streakin	(ir so Drift Li Soil Survey: Soil Survey: Soil Survey: Soil Survey: Blood Soil Reducing In Reducing In Sandy S	Data FAC-No.    Fac-S	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il: 7 E  Drainage  Other  ORIC SOILS  Class: 6/6/ Map Type: ow Chroma C  Soils List D  dric Soils List  Texture, Concre	Yes No Coronto Yes Coronto Cor
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: 1 Taxonomy [Subgroup]: Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	to free water pper 12 in  r-stained Leav indica  Acutica Aquic Moisti Soils  Orga  Mc 4/3	in pit:  Water Marl  Ves Local  Or, 5  7  Duy  ure Regime  anic Streakin	(ir so Drift Li Soil Survey: Soil Survey: Soil Survey: Soil Survey: Blood Soil Reducing In Reducing In Sandy S	Data FAC-No.    Fac-S	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il: 7 E  Drainage  Other  ORIC SOILS  Class: 6/6/ Map Type: ow Chroma C  Soils List D  dric Soils List  Texture, Concre	Yes No Coronto Yes Coronto Cor
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: 1 Taxonomy [Subgroup]: Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	to free water pper 12 in  r-stained Leav indica  Acutica Aquic Moisti Soils  Orga  Mc 4/3	in pit:  Water Marl  Ves Local  Or, 5  7  Duy  ure Regime  anic Streakin	(ir so Drift Li Soil Survey: Soil Survey: Soil Survey: Soil Survey: Blood Soil Reducing In Reducing In Sandy S	Data FAC-Normal Factors  Cope S  Conditions Contrast/S  Abund/Contrast/S	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il: 7 E  Drainage  Other  ORIC SOILS  Class: 6/6/ Map Type: ow Chroma C  Soils List D  dric Soils List  Texture, Concre	Yes No Coronto Yes Coronto Cor
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: 1 Taxonomy [Subgroup]: Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	to free water pper 12 in  r-stained Leav indica  Acutica Aquic Moisti Soils  Orga  Mc 4/3	in pit:  Water Marl  Ves Local  Or, 5  7  Duy  ure Regime  anic Streakin	(ir so Drift Li Soil Survey: Soil Survey: Soil Survey: Soil Survey: Blood Soil Reducing In Reducing In Sandy S	Data FAC-No.    Fac-S	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il: 7 E  Drainage  Other  ORIC SOILS  Class: 6/6/ Map Type: ow Chroma C  Soils List D  dric Soils List  Texture, Concre	Yes No Coronto Yes Coronto Cor
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: 1 Taxonomy [Subgroup]: Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	to free water pper 12 in  r-stained Leav indica  Acutica Aquic Moisti Soils  Orga  Mc 4/3	in pit:  Water Marl  Ves Local  Or, 5  7  Duy  ure Regime  anic Streakin	(ir so Drift Li Soil Survey: Soil Survey: Soil Survey: Soil Survey: Blood Soil Reducing In Reducing In Sandy S	Data FAC-No.    Fac-S	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il: 7 E  Drainage  Other  ORIC SOILS  Class: 6/6/ Map Type: ow Chroma C  Soils List D  dric Soils List  Texture, Concre	Yes No Coronto Yes Coronto Cor
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 OILS  Series/Phase: 1 Taxonomy [Subgroup]: 1 Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase Depth (in.) 8  B. Herry 1  B. Herry 1  B. Herry 2  B. Herry 3  B. Herry 4  B. Herry	In If yes,	(in.) Depth sturated in Using the Well Color of Sandy	to free water pper 12 in  r-stained Leav indica  Acutica Aquic Moisti Soils  Orga  Mc 4/3	in pit:  Water Marl  Ves Local  Or, 5  7  Duy  ure Regime  anic Streakin	in Sandy S	Data FAC-No.    Fac-S	turated so t Deposits eutral Test HYI Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il:	Patterns in W Pa
Recorded Data: Yes 1 Depth of surface water:  Primary Indicators: 1 Secondary Indicators (2 Oxidized Root Chann Comments: 1 DILS  Series/Phase: 1 Taxonomy [Subgroup]: 1 Histosol 1 Histic Ep High Organic Conten Inclusions [Series/Phase Depth (in.) 1 B B B Comments: 2 Com	Inundated Salor more required in Upper 12  Ing Grant Surface Lay  Surface Lay  Horizon	(in.) Depth sturated in Usined): in. Water Well dic Odor Wer in Sandy  Matrix Color 7, 5 YR	to free water pper 12 in.   r-stained Leav  indica  Aquic Moistr  Soils  Orga  Mc  4/3	in pit:	(in Soil Survey)  Soil Survey  Soil Survey  Reducing In Sandy S  Mottle (A	Depth to sames Sedimen  Data FAC-N  Cope S  Conditions Soils Listed of Abund/Contrast/S	turated so t Deposits eutral Test Drainage Confirm Gleyed/Lo on Hydric On Hy ize)	il: 7 E  Drainage  Other  ORIC SOILS  Class: 4/c;  Map Type:  ow Chroma C  Soils List D  dric Soils List  Fexture, Concre	? Yes I No look of Yes I Yes I No look of Yes I No look o

Species Observed  Ave fat  Lal mul  Tal cap  Tri hic  Bri min  Ele set	20 15 20 25	15 20 25 10	COVER: Vegetation Bare Ground Rocks Other TOTAL =	100%
TOTAL SUM (Σ)	= 100	100%		
Species (Descending Order)  To hic	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
Ave gat	20	45		
Ave gat Toe cap	20	65		and the state of t
***************************************		calculations is a successful and a succe		object-of-manageric constructions and advanced to the second of the seco
		WHILE AND AND THE PROPERTY OF		and the same and t
-10-11 VIII				ALIAN MINISTER CANADA C
AN 14- AND	· · · · · · · · · · · · · · · · · · ·	programming and the second	Alless as a sure same sure of the sure of	AMPRILA, AMBRICAL LA CALLA, MALLA, CALLA C
* WP-07		William M. A. L. Land Marketon and Committee C	the second secon	APPLICATION C. ALC ALC ALC ALC ALC AND APPLICATION CONTINUED TO
	-	which the state of		
A ANALOS AND ANALOS AN			***************************************	
· · · · · · · · · · · · · · · · · · ·			Apparatus and the second of th	
— h.		and the second section of the second		
,	A STATE OF THE STA		And American Committee of the Committee	

Project/Site: Brown Cattle Company	-a
Applicant/Owner: River - West	
· · · · · · · · · · · · · · · · · · ·	Plant Community: <u>Annual</u> Grassland
	Section/Township/Range: 4150C, T/4N, RSE
	f no, explain:
Is this a potential Problem Area? Yes 🖸 No 🛡 Explain:	
EGETATION	HYDROPHYTIC VEGETATION? Yes 1
Dominant Species Ind. Status Stratum Rel. % Cover	Dominant Species Ind. Status Stratum Rel. % Cover
1) Lot mul Fac H 26.3	5)
	6)
3)	7)
	8)
Percentage of dominant species that are OBL, FACW, and/or FA	•
Comments:	
YDROLOGY	WETLAND HYDROLOGY? Yes W N
Recorded Data: Yes D No B If yes,	WETLAND HYDROLOGY? Yes 🗖 N
Recorded Data: Yes 🗖 No 🕦 If yes,	
Recorded Data: Yes No If yes,	
Recorded Data: Yes No If yes,	er in pit: (in ) Depth to saturated soil: /(in )
Recorded Data: Yes No If yes,	er in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves    Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No } \text{No } \text{If yes,} \)  Depth of surface water:	er in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves    Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes No If yes,  Depth of surface water:	er in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves    Local Soil Survey Data   FAC-Neutral Test   Other  HYDRIC SOILS? Yes
Recorded Data: Yes No If yes,  Depth of surface water:	er in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves    Local Soil Survey Data   FAC-Neutral Test   Other  HYDRIC SOILS? Yes
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit: (in ) Depth to saturated soil: (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves    Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water: \( \text{(in)} \) Depth to free water.  Primary Indicators: \( \text{Inundated } \text{Inundated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Indicator} \) Water-stained Lea Comments: \( \text{Indicator} \) Indicator \( \text{No } \text{Indicator} \)  Series/Phase: \( \text{Leadling } \) \( \text{gray Velly } \) \( \text{loan} \)  Taxonomy [Subgroup]: \( Inunic About in the property of the	er in pit: (in ) Depth to saturated soil: ZO (in )  Water Marks Drift Lines Deposits Drainage Patterns in V  aves Deposite Deposite Drainage Patterns in V  Aved.  HYDRIC SOILS? Yes Drainage Class: Well die
Recorded Data: Yes No If yes,  Depth of surface water:	er in pit: (in ) Depth to saturated soil: / (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves    Local Soil Survey Data   FAC-Neutral Test   Other  HYDRIC SOILS? Yes   HYDRIC SOILS? Yes   No  C. Dun'Xeralf   Soles   Confirm Map Type: Yes   No
Recorded Data: Yes No If yes,  Depth of surface water:	er in pit: (in ) Depth to saturated soil: Z/O (in )  Water Marks   Drift Lines   Sediment Deposits   Drainage Patterns in V  aves   Local Soil Survey Data   FAC-Neutral Test   Other
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit: (in ) Depth to saturated soil: / (in )  Water Marks    Drift Lines    Sediment Deposits    Drainage Patterns in V  aves    Local Soil Survey Data    FAC-Neutral Test    Other
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit: (in ) Depth to saturated soil: / (in )  Water Marks    Drift Lines    Sediment Deposits    Drainage Patterns in V  aves    Local Soil Survey Data    FAC-Neutral Test    Other
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit:
Recorded Data: Yes \( \text{No } \text{If yes,} \)  Depth of surface water:	er in pit:
Recorded Data: Yes \( \text{No } \) If yes,  Depth of surface water:  Primary Indicators: \( \text{Inundated } \) Inundated \( \text{Saturated in Upper 12 in } \)  Secondary Indicators (2 or more required):  Oxidized Root Channels in Upper 12 in \( \text{Inundated } \) Water-stained Lea Comments:  OILS  Series/Phase: \( \text{Leding } \) Gravelly four \( \text{Discorded} \)  Taxonomy [Subgroup]:  Histosol \( \text{Inition } \) Histic Epipedon \( \text{Inition } \) Sufficion Odor \( \text{Indicator } \) Aquic Mois \( \text{Inition } \)  High Organic Content in Surface Layer in Sandy Soils \( \text{Inclusions } \) Organic Inclusions [Series/Phase]:  Depth (in.) Horizon Matrix Color Matrix Color A F. 5 YR \( \text{Inition } \)  Bothom \( \text{Inition } \)  Horizon \( \text{Inition } \)  Bothom \( Init	er in pit:

Species Observed	Actual Cover	Relative Cover	<u>COVER:</u>	
,	<u>20                                    </u>		Vegetation	_95
Hem pur _	20	21,0	Bare Ground	5
Lol mul _	25	36.3	Rocks	
Des_dan	<u> 30 ·                                   </u>	31.6	Other	
****			TOTAL =	100%
				•
		*		
TOTAL SUM (∑) =	= 95	100%		
ν.,				
			1	
Species (Descending Order)	Relative Cover	Cumulative Cover	Indicator Status	<u>Dominants</u>
Lol mul	26.3	<i>26.3</i>		The second secon
	3/,6	•		A Million of the Control of the Cont
Des son		57.9	A CONTRACTOR OF THE PARTY OF TH	**************************************
				99.000.000.000.000.000.000.000.000.000.
THE PROPERTY OF THE PROPERTY O		MANAGEMENT AND		-MANAGE
•				
	A A A A A A A A A A A A A A A A A A A	——————————————————————————————————————		SEPTEMBER AND
A			Add Marie Cartesian Control of the C	
			4	Additional and the second seco
		**************************************	and the second s	AMERICAN CONTRACTOR CO
			-	**************************************
L	**************************************	And a second sec		
AND AND C. ADD. PROVINCE AND CONTRACT AND CO				

### **APPENDIX B**

Plant Species Observed at Data Point Locations

### **Brown Cattle Company – Wetland Delineation Plant Species Observed at Data Point Locations**

			Indicator
Abbr.	Scientific Name	<b>Common Name</b>	Status
AVE FAT	Avena fatua	Wild oat	N/L
BRI MIN	Briza minor	Little quaking grass	FACW-
BRO HOR	Bromus hordeaceus	Soft brome	FACU-
CEN SOL	Centaurea solstitialis	Yellow star-thistle	N/L
DES DAN	Deschampsia danthonioides	Annual hairgrass	FACW
DIG SAN	Digitaria sanguinalis	Hairy crabgrass	FACU
ELE spe	Eleocharis species	Spikerush	FACW
ERE SET	Eremocarpus setigerus	Turkey mullien	N/L
ERY VAS	Eryngium vaseyi	Vasey's coyote-thistle	FACW
GLY spe	Glyceria species	Spikerush	OBL
HEM PUN	Hemizonia pungens	Common tarweed	FAC
JUN BUF	Juncus bufonius	Toad rush	FACW+
LEO TAR	Leontodon taraxacoides	Hairy hawkbit	FACU
LOL MUL	Lolium multiflorum	Ryegrass	FAC*
NAV LEU	Navarretia leucocephala	White-head navarretia	OBL
PHA spe	<i>Phalaris</i> species	Canary grass	
PLA spe	<i>Plantago</i> species	Plantain	w w
POL MON	Polypogon monspeliensis	Annual rabbit-foot grass	FACW+
RUM CRI	Rumex crispus	Curly dock	FACW-
TAE CAP	Taeniatherum caput-medusae	Medusahead grass	N/L
TRI HIR	Trifolium hirtum	Rose clover	N/L

#### **Indicator Status Codes**

**OBL** = Obligate Wetland; occur almost always (estimated probability >99%) under natural conditions in wetlands.

**FACW** = Facultative Wetland; usually occur in wetlands (estimated probability 67%-99%) under natural conditions in wetlands.

FAC = Facultative; equally likely to occur in wetlands or non-wetlands (estimated probability 34%-66%).

FACU = Facultative Upland; usually occur in non-wetlands (estimated probability 67%-99%).

**UPL** = Obligate Upland; occur almost always (estimated probability >99%) in non-wetlands in the region specified.

N/L = Not Listed.

**NI** = No indicator was recorded for those species for which insufficient information was available to determine a status.

-- = May or may not occur in wetlands depending upon species.

A positive (+) sign indicates a frequency toward the higher (more frequently found in wetlands) end of the facultative categories.

A negative (-) sign indicates a frequency toward the lower (less frequently found in wetlands) end of the facultative categories.

An asterisk (\*) indicates a tentative assignment based upon limited information or conflicting review.

### **APPENDIX C**

Wetland Delineation

Map Goes here

### APPENDIX D

Wetland Delineation Shape File (to be include with Corps submittal only)

### **APPENDIX E**

Corps-Verified Wetland Map and Verification Letter (to be included in the Final Draft document upon receipt)